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# PROFILE OF SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATIONS 1997

(Medical Sciences and Social Sciences)

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पुस्तकालय

December 1997

Stock Verification-2024

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DEPARTMENT OF SCIENTIFIC & INDUSTRIAL RESEARCH
MINISTRY OF SCIENCE AND TECHNOLOGY

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# PREFACE

The Department of Scientific and Industrial Research (DSIR) has a scheme for granting recognition to non-commercial Scientific and Industrial Research Organisations (SIROs). The Organisations eligible for recognition are Associations i.e. Societies registered under the Society Registration Act, 1860 or any such Act passed by the State Government, having the main objective of undertaking scientific and/or industrial research; R&D companies, incorporated under section 25 of the Companies Act, 1956 set up for engaging in R&D activities; institutions having adequate infrastructural facilities to undertake scientific and/or industrial research and having undertaking of scientific and/or industrial research as the main object of the institution, and professional bodies having undertaking/promoting scientific and/or industrial research as the main object; Universities established or incorporated by/or under a Central or State Act, institutions declared under section 3 of the University Grants Commission Act, 1956: and Colleges which are affiliated to Universities and are undertaking scientific research in specific disciplines.

The SIROs recognised by DSIR are eligible for approval and notification under section 35(1)(ii)/(iii) of the Income-Tax Act, 1961 and also for Custom Duty exemption and Central Excise duty waiver as per provisions of Govt. notifications No. 51/96-CUSTOMS dated 23rd July 1996 and No. 10/97-Central Excise, dated 1st March 1997 respectively.

Secretary, Department of Scientific and Industrial Research is the Authority for granting recognition to SIROs and Director General (Income-Tax Exemptions), Calcutta in concurrence with Secretary, DSIR is the Prescribed Authority for approval and notification of SIROs under section 35(1)(ii)/(iii) of the I.T. Act, 1961.

At present there are 545 SIROs duly recognised by DSIR. Of these, 194 are in natural and applied sciences; 168 in medical sciences; 40 in agricultural sciences and 121 in social sciences and 22 Universities/Colleges. The SIROs have taken up several research programs and contributed to development of new techniques, methods, products and processes.

The DSIR has initially brought out a Profile of Scientific Research Institutions covering 70 SIROs. A second issue covering over 180 SIROs was published in June 1989, third issue covering 180 SIROs was brought out in March 1991 and a fourth issue covering 321 SIROs was published in March 1993. The present publication "Profile of scientific and Industrial Research Organisations" in two volumes cover the activities and achievements of over 338 SIROs. Volume one covers the areas of agricultural sciences (24) and natural and applied sciences (142). Volume two covers medical sciences (105); and Social Sciences (67). It is hoped that this publication will give further information on the infrastructural facilities, R&D capabilities and achievement made by SIROs recognised by the DSIR.

Efforts and hardwork put in by Dr. K. Kamal, Director, Shri H.L. Jussal, Principal Scientific Officer and Shri A.V. Chainulu, Senior Scientific Officer, in compiling this publication are acknowledged.

**January 1998**
**New Delhi**

**Jagdish Singh**
**Joint Adviser**
**Department of Scientific & Industrial Research**

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# MEDICAL SCIENCES

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# ADDICITION RESEARCH CENTRE

**Address:**
"TTK Hospital",
17, IV Main Road,
Indira Nagar,
Madras-600 020

## Background

Status of the SIRO : Registered Society

Year of establishment : 1984

Major objectives :

(i) To undertake Scientific Research in the area of addiction such as alcoholism, drug abuse, smoking and other allied fields.

(ii) To undertake research in identifying the effects of alcoholism and drug addiction, on various organs of the body.

(iii) To conduct research on genetic and environmental factors that influence alcohol dependency.

(iv) To conduct research on methods of treatment available for alcoholism and otehr addiction-

- Aversion therapy
- Indigenous methods
- Psycho therapy

(v) To conduct research and develop programme pertaining to industries on-

- Methods of detection of alcohol abuse among the workers
-Methods to prevent alcohol abuse among the workers

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 0.09 | .5 | .37 |
| Grants Received | Nil | Nil | Nil |
| *Expenditure on R&D* | Nil | Nil | Nil |
| • Capital | Nil | Nil | Nil |
| • Recurring | 0.54 | 0.62 | 0.67 |

## Infrastructural facilities

Library facilities : A library and documentation Centre with valuable materials on alcoholism and drug abuse and related topics both from India and abroad is being maintained with great care.



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**Major achievements claimed :**

- **Research Papers/Reports Published** : Several papers have been published in Journals in India and Abroad.
- **Seminars/Conferences attended/Organised** : Research Coordinator attended a training programme in Australia and in Canada to update her knowledge in Addition.

**Name and Designation of Senior Researcher:**

- Dr. (Mrs.) R. R. Cherian—Research Coordinator



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# ALL INDIA HEART FOUNDATION

**Address:**
4878 Ist Floor,
Ansari Road,
24, Daryaganj,
New Delhi-110 002.

## Background

Status of the SIRO : Registered Society under the Societies Regn. Act XXI of 1860 (Pb Amendment) Act, 1957 as extended to Delhi. The Foundation is a Collaborative Centre of World Health Organisation in preventive cardiology since 1983, the only one so designated in the SEARO region. It is a member of the International Society and Federation of Cardiology and World Hypertension League and maintains close links with the Heart Foundations of America, Britain, Japan, Australia, New Nealand and Many other countries. It is also a member of Heartbeat International Pacemaker Bank.

Year of establishment : 1962

Major research areas : Rheumatic heart disease, hypertension, and ischaemic heart disease.

Initial recognition as SIRO : The Foundatin was recognised as a scientific research organisation initially by the Indian Council of Medical Research in 1977 and subsequently by the DST from 1982.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received | 0.48 | 0.77 | 1.15 |
| Grants received | 0.30 | 0.42 | — |
| Other income | 304.88 | 436.69 | 564.09 |
| *Expenditure on R & D* | | | |
| • Capital | 56.28 | 44.89 | 65.08 |
| • Recurring | 274.41 | 336.99 | 464.28 |

## Infrastructural facilities

Land and Building : Area of bldg. (including basement) : 23,728 sq. ft.

Value : Land : 2.65—Lakhs
Bldg : 20.31 Lakhs (Depriciated value as 31.03.95)

Equipment facilities : Gross Value : Rs. 137.92 Lakhs —(Depreciated value as on 31.03.95)



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**List of sophisticated equipment :** Blood Gas Analyser, (Coronary Care Unit)—Tread Mill, Stress Testing etc.

**R & D Manpower**

| | Qualification | Full Time | Equipment |
|---|---|---|---|
| Scientific & Technical (Including Para-Medical) | Doctorate/ Post Graduate | 91 | |
| Technicians etc. | — | 20 | |
| Others | — | 81 | |

**Library facilities** : The Foundation has a library holding bookds on medical science relating to Cardiology, Cardiothoracic and vascular surgery, chest disease, bio-chemistry, anaesthesis, blood bank, X-ray, diabetes etc. TV Slide Projector, Audio/Video Cassettee & Slides.

**Major achievements claimed:**

- Research work done on various diseases:

(i) *Ischaemic Heart Disease:—*

This is the first major prospective risk factor study in the country. A total of 7736 cases have been seen since work on the research project on risk factors in IHD was started in 1981. It is seen that in Indian conditions, hypertension is the most important risk factor followed by smoking and diabetes. Multiple risk factors are present in about 40% of these patients. Two papers have been published and the 3rd is under publication.

(ii) *Hypertension:—*

Under WHO/WHL auspices, a pilot project was started in 1993 for a patient education programme. In this groups of patients are being compared for effectiveness of treatment with and without an education programme. There are 300 subjects in the 'E' group with education and 170 in the 'R' sector without education. Analysis after the 1st and 2nd year follow up are being carried out using software prepared by WHO.

Side by side work is also continuing on the Hypertension Audit Project.



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There are five phases of this project viz. Physician Enquiry, Consumer Enquiry, Community Survey, Patient Survey and drug utilisation study. Work on the last phase (drug utilisation study) is yet to commence.

Both these projects are multicentric programme for control of Hypertension, the other centres being in Europe.

(iii) *Rheumatic Fever/Rheumatic Heart Disease:*

The Rheumatic Fever Registry and Criteria study was started in 1977. The study is aimed at controlling RF/RDH in India, which affects mostly children of the poor class. Data on prevalence; epidemiological features involved and pilot stuides on the efficacay of penicillin injection have all been carried out and have been invaluable contributions from the All India Heart Foundation. Each Year about 2000 patients attend the RF Prophylaxis programme clinic. Cases detected with sore throat and diagnosed as RF are given free injections of Penicillin every three weeks as secondary prophylaxis are monitered for recurrences. It has been shown, by work at the All India Heart Foundation that 3 weekly prophylaxis is more effective than 4 weekly and this is now used all over India. The All India Heart Foundation Registry is the only RF/RHD Registry functioning in India and because of close follow-up the rate of strept infection and rheumatic recurrences is minimal. Training is given here for doctors from India and aborad for RF prophylaxis.

- Research papers/reports : (i) Interventional Cardiology an Indian perspective (Journal of International Cardiology V-8 N-1 1995 Dr. S.P. Padmavati)

: (ii) Update and Conferences—Bane or Benefit—(Indian Heart Journal V-47-N-1 Jan/Feb., 1995 Dr. S.P. Padmavati)



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- Films : Foundation has produced the following films on—
  - (a) RF/RHD in English—one targetted at professionals and the other at layman. The latter has been dubbed in Hindi & Tamil.
  - (b) Coronary Artery by-pass Surgery.
  - (c) Pace-Maker implantation
  - (d) Coronary angiography
  - (e) Film on hypertension in English. Dubbed in Hindi & Tamil.

  : Film on Ischaemic Heart Disease in English. Bubbed in Hindi & Tamil.

- Conferences attended : The President and doctors of National Heart Institute attended and presented papers at many national and international conferences and symposia. A few important international conferences attended by the President are:
  - (i) American College of Cardiology and Heartbeat International.
  - (ii) WHO Regional Committee at South East Asia.
  - (iii) World Hypertension League Conference in Padua, Itlay.
  - (vi) 3rd International Conference on Preventive Cardiology—(Chaired the Session at Oslo, Norway).

**Name and Designation of Senior Researchers:**

- Dr. S. Padmavati
- Dr. Vinod Sharma
- Dr. H. K. Aggarwal
- Dr. Durga Bhatia.

A view of the new Catheterisation Laboratory



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# ALL INDIA INSTITUTE OF PHYSICAL MEDICINE AND REHABILITATION SOCIETY FOR PROMOTION OF MEDICAL RESEARCH

**Address:**
Haji Ali Park,
K.Khadye Marg,
Mahalaxmi,
Bombay-400 034.

**Background**

Status of the SIRO : Registered Society

Year of establishment : 1977

Major objectives :

(i) To promote and undertake research activities at All India Institute of Physical Medicine and Rehabilitation. Here in after referred to as Institute.

(ii) To co-ordinate various research projects in different clinical and paramedical departments of the Institute.

(iii) To promote scientific and intellecutral development and outlook of the medical and para-medcial personnel.

(iv) To provide research facilities to members of the society.

(v) To promote other activities and to arrange functions, seminars, exhibitions, and to do such other acts as are conductive, incidental or anicillary to the fulfilment of the above mentioned aims and objects.

Major research areas : Research in the various disciplines of Rebahilitation sciences for the Neuro-Musculo skeletal disorders.

Presently workding on following areas:

(i) Functional prosthesis for partial hand amputation.

(ii) Reaction timber for driving simulator.

(iii) Energy storing foot.

(iv) Energy storing shins.

(v) Electronic elbows.

(vi) Torsion adapter.

(vii) Management of limb length discrepancy using Ilizarov external fixator.

(viii) Effect of induced sleep on psychologic sleep disorders.

(ix) Motion studies.

(x) Study of pain relief by thermal, computer-controlled direct currents and Laser therapy.



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(xi) Therapeutic Yoga packages for CBR

(xii) Rehabilitation of MMC and sensory motor neuropathies.

(xiii) Neonatal screening.

(xiv) Exploratory study to problem services of handicapped women.

Initial recognition by DSIR : April 1988

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 |
|---|---|---|
| Donations Received | 0.16 | 0.062 |
| Grants received | Nil | Nil |
| Other income | Memb & Sub 3.0020 | Membership 0.027 |
| *Expenditure on R & D* | 0.20 | 0.36 |
| • Capital | 0.054 | |
| • Recurring | 0.063 | 0.09 |

**Infrastructural facilities**

Land and Building : Research Society was formed by the faculty members of All India Institute of Physical Medicine and Rehabilitation and functions with the premises. The council members being from the staff are available within the Institute premises whose infrastructure resources are used.

Equipment facilities : Still Camera, Movie Camera, External fixators, Sleepinducer, Office equipment.

Rest on loan from All India Institute of Physical Medicine and Rehabilitation which include:

— KINCOM
— Blood Gas Analyser
— Haematology Equipment
— 2 Channel Computerised EMG & NCV unit.
— Myodata
— Computerised Spirometer etc.

R & D Manpower

| | Qualification | No |
|---|---|---|
| Scientific & Technical | Doctorate/ | 2 |
| | Post Graduate | 7 |
| | Diplima Holder | 5 |





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Library facilities : Library facilities of All India Institute of Physical Medicine and Rehabilitation are used which has over 2,500 books and subscribes to over 30 periodicals.

**Major achievements claimed**

- Technologies developed and ready for upscaling:
  - (i) Low Cost Mobility aids for rural disabled population.
  - (ii) Fabrication of low temperature thermoplastic (orthoplast) hand splints for rehabilitation of hand injuries.
  - (iii) Use of Plastic Orthosis in camps.
- New Techniques/methodologies developed and implemented:
  - (i) Correction of club foot deformity by external fixator.
  - (ii) Use of sleep inducer.
  - (iii) Neonatal screening and assessments.
  - (iv) Therapeutic Yoga-packages for CBR
  - (v) Development of environment control
  - (vi) Fabrication of developmental aids (moulded seat, wadge, bolsters) using FRP technology.
  - (vii) Hydraulic knee-shin assembly for A.K. prosthesis.
  - (viii) Electronic wrist flexion device for upper extremity prosthesis.
  - (ix) Simplified light weight elbow unit.
- Research papers/Reports Published:

  All India Institute of Physical Medicine and Rehabilitation including Research Society.

| | | 1993-94 | 1994-95 |
|---|---|---|---|
| Presented | — | 20 | 9 |
| Published | — | 8 | 6 |

- Seminars/Conferences attended/organised:

| | | 1993-94 | 1994-95 |
|---|---|---|---|
| Seminars/Conferences attended | — | 34 | 31 |
| Organised-Lectures | — | 4 | 4 |
| Camps | — | 3 | 9 |
| Seminars | — | | 1 |

- Awards Won:

| | 1993-94 | 1994-95 |
|---|---|---|
| Awards — | 4 | 3 |

**Name and Designation of Senior Researchers**

- Dr. B. D. Athani, Director
- Dr. M. G. Mokashi, Chief Physiotherapy
- Mrs. P. V. Rege, Chief Occupational Therapy
- Mr. S. A. Deshpande, Chief Prosthetic & Orthotic
- Mrs. S. P. Chatterjee, Research Officer



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# AMALA CANCER RESEARCH CENTRE

**Registered Address:**
Amala Nagar P.O.
Trichur 680 553
Kerala

## Background

Year of establishment : 1982

Major objectives : Conduct Research and training on biomedical areas especially cancer.

Major research areas : Anticancer drugs from plant origin, chemopreventing and immuno-modulatory drugs and tumour immunology.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 0.66 | 1.00 | 0.58 |
| Grants received | 2.51 | 2.34 | 4.24 |
| Other income | | | |
| (i) Grant from Amala Hospital | 3.00 | 3.53 | 7.50 |
| (ii) Collection from the Centre | 2.32 | 3.51 | 5.81 |
| (iii) Others | 0.15 | 0.25 | 0.13 |
| *Expenditure on R & D* | | | |
| • Capital | 0.66 | 1.21 | 1.70 |
| • Recurring | 14.17 | 16.35 | 20.25 |

## Infrastructural facilities

Value:

Land & Building : Rs. 500 lakhs

Equipment facilities : Rs. 45 lakhs

List of sophisticated equipment :
— Lyophilizer
— Radioactive counter
— Spectrophotometers
— Cold Lab
— Laminar Flow

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates/ | 19 | 7 |
| Social Sciences & Others | Graduates/ others | 14 | 2 |

Library facilities : Total number of scientific books: 2000

Journals subscribed : 20

## Major achievements claimed

The anticancer activity of serveral herbal drugs and isolated products were determined and the work earned international recognition. Some of the products developed such as curcumin and Viscum peptide are on clinical trials against cancer. Several drugs are being screened for antimetastatic, immuno-modulatory, antimutagenic and anticarcinogenic activity.



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Published 80 research papers during the last 3 years in national and international journrals. Scientists attend more than 30 seminars and Annual meeting of Indian Assocation for Cancer Research was held in the Centre in 1992.

**Name and Designation of five Researchers**

- Dr. Ramadasan Kuttan, Research Director
- Dr. Jose Padikkala, Asst. Professor
- Girija Kuttan, Asst. Professor
- Dr. M.P. Menon, Visiting Professor
- Dr. M.P. Thobias, Professor (Homeopathic Research)



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# ARAVIND MEDICAL RESEARCH FOUNDATION

**Address:**
No. 1,
Anna Nagar,
Madurai 625 020

**Background:**

Under the inspiration and organising potential of Dr. G. Venkataswamy, M.S., FACS., Aravind Medical Research Foundation was started in 1984 to support research for effective eye health delivery system which can provide new initiative in treatment and prevention and also supplement the efforts of other Agencies in this direction.

Aravind Medical Research Foundation initiates several research projects which have the potential of improving eye care and its delivery. These projects reflect the commitment to finding new ways to reduce needless blindness.

Aravind Medical Research Foundation is an independent Research Foundation. It was registered as a separate foundation under the Tamilnadu Societies Registration Act, 1975 on 15th October 1984 (as S. No. 102/84). It was initially recognised by the Govt. vide letter No. 6381(F. No. 209/10/85-ITA. II) dated 23.8.85.

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 11.6 | 7.4 | 7.55 |
| Grants received | — | — | — |
| Other income | 0.04 | 0.12 | 0.22 |
| *Expenditure on R & D* | | | |
| • Capital | — | — | — |
| • Recurring | 6.05 | 6.92 | 8.26 |

**Infrastructural facilities**

Equipment facilities (Gross value) : Rs. 13.40 lakhs

List of sophisticated equipment :

— Tonometer
— Power capacitor
— Shadowass operation Theatre light
— Electric Steriliser
— Oticar Aerosol Disinfector
— EPSON PX. 1055 Printer
— 3 and Candle Water filter
— Sonomed ultrasound A/B scanner
— Topcon slit lamp SL 1E

R & D Manpower

| | Qualification | Full Time | Part Time |
|---|---|---|---|
| Scientific & Technical | M.S., Dip. N.B., D.O., B.E., M.D., Ph.D. | 3 | 5 |
| Social Sciences & Others | — | 10 | 24 |

Library facilities : Aravind Medical Research Foundation closely works with the Aravind Eye Hospital for its research work and the hospital facilities such as laboratories, computer centre and library are used.



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**Major achievements claimed**

| | | |
|---|---|---|
| New Techniques/methodologies developed and implemented | : | A manufacturing facility to produce Intra Ocular Lenses (IOLs) of high quality at low cost was established and over 150,000 lenses per year are produced and supplied to non-profit eye care programs at subsidized price. |
| Research papers/ Reports Published | : | 26(1992); 16(1993); 10(1994). |
| Seminars/Conferences attended/organised | : | Conference attended : 26 (1992)<br>Courses & Workshops attended : 20 (1993)<br>Conferences, Courses & Workshops: attended 24(1994) |
| Awards won | : | i) National Award for the Welfare of Handicapped:<br>ii) 1992-Lighthouse Pisart Vision Award:<br>iii) International Blindness Prevention Award: |

**Name of five Senior Researchers:**

- Dr. P. Namperumalsamy, M.S.
- Dr. G. Natchiar, M.S.
- Dr. M. Srinivasan, M.S.
- Dr. R. Ramakrishnan, M.S.
- Dr. C. A. K. Shanmugam



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# BAI JERBAI WADIA HOSPITAL FOR CHILDREN AND INSTITUTE OF CHILD HEALTH RESEARCH SOCIETY

**Address:**
Acharya Donde Marg,
Parel,
Bombay-400 012

**Background**

Status of the SIRO : Rigistered Society

Year of establishment : 1983

Initial recognition : 1984

Major objectives : To conduct research on Paediatric diseases with special reference to Genetic and infecitous diseases.

Major research areas :

(i) Molecular aspects of beta thalassaemia and other haemoglobinopathies,

(ii) Molecular aspects of Haemophilia,

(iii) Microbiological, Immunological and Biochemical studies on M. tuberculosis with special reference to meningial TB.

(iv) Hormone profiles of chi'dren with endocrine disorders with special reference to genetic and cell biology aspects of Laron's syndrome,

(v) Cytogenetic, immunophenolyping and biochemical profiles of childhood malignancies.

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 36.31 | 38.91 | 67.09 (Rs. 0.65 received in March'95 |
| Grants received | 1.30 | 25.25 | |
| Other income | 13.68 | 15.42 | 14.54 |
| *Expenditure on R & D* | | | |
| • Capital | 12.80 | 33.15 | 10.74 |
| • Recurring | 21.56 | 25.75 | 26.64 |

**Infrastructural facilities**

Land & Building

The laboratories are situated in the right wing of B.J. Wadia Hospital for Children covering 7000 sq. ft. area. The Society also has a Library and Seminar Room coering 1000 sq. ft. Value NIL as the same has been provided by Bai Jerbai Wadia Hospital for Children, Parel, Bombay.

Equipment facilities : Rs. 45.31 Lakhs (Purchased for Society's funds)

Rs. 72.05 Lakhs (Received from Overseas Development Administration (ODA) U.K. for the project entitled "THE STRATEGY FOR CONTROL OF THALASSAEMIA & OTHER



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HAEMOGLOBINOPATHIES" sponsored by the ODA, U.K. and approved by Government of India.)

List of sophisticated equipment :

— Automatic Gamma Counter
— Spectrofluorimeter
— Recording Spectrophotometer with Gel Scanner & Recorder.
— Automatic Beta Counter
— Automatic ELISA Reader
— HPLC
— Haematology Analyzer
— Automatic Computerized Blood Cell Counter
— Super Rac Fraction Collector
— Coulter Counter with Chanalizer
— Ultrasound Scanner
— DNA Thermal Cyclers
— Micro Centrifuge
— Coulter Semi Automatic Cell Counter

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates | 4 | — |
| | Post Graduates | 10 | — |
| Administrative | Graduates | 2 | — |
| Social Science (Genetic Counsellor | Graduates | 1 | — |
| Library | Graduates | 1 | — |
| Honorary Consultants | Post Graduates | Nil | 6 |
| | Doctorates | — | 1 |
| Lab. Attendents | | 3 | — |

Library facilities :

The library occupies space of 2000 sq feet inclusive of Reading Rooms, Seminar hall, xeroxing facility, Medline and TV/VCR. At present, it subscribes for 30 International and 6 Indian journals and has 1150 books. Recently 10 more journals research oriented have been added to the yearly subscription. Nearly 100 doctors and scientists from B.J. Wadia Hospital for Children and neighbouring Hospitals/Institutes make use of this facility.

**Major achievements claimed :**

- Technologies developed :
  - (i) ARMS and RELP based diagnosis of thalassaemia and other haemoglobinopathies using 15 primers on CVS samples.
  - (ii) Screening for thalassaemia and other haemoglobinopathies by red cell indices and electrophoresis.
  - (iii) Foetal blood analysis for globin chain synthesis.
  - (iv) DNA based diagnosis of haemophilia.





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(v) DGGE and DNA sequencing for assessment of unknown mutations.

**Note:** Since these are sophisticated high technology techniques, none of these have a commercial application.

- Technologies developed and ready for upscaling

  (i) HPLC technique for identification of abnormal haemoglobins.

  (ii) Diagnosis of M.Tb antigens in CSF by ELISA.

- Papers/Posters presented in Conferences : 18

  Manusacripts sent/Ready for Publication : 6

- Conferences Organized :

  (i) Organized a Symposium on "Advances in Human Nutrition" in October 1991.

  (ii) Organized an Indo-British Seminar and Workshop on Thalassaemia Control by Research Society of B.J. Wadia Hospital for Children, Bombay, and Overseas Development Administration (ODA) U.K., administered by British Council Division in Nov/Dec 1991.

  (iii) Organized an "Indo-British Seminar and Workshop on Thalassaemia Control" at Bai Jerbai Wadia Hospital for Children, Bombay, sponsored by Overseas Development Administration (ODA) U.K. and Research Society administered by British Council Division.

  (iv) Organised Annual Tax Conference.

Note on "THE STRATEGY FOR CONTROL OF THALASSAEMIA AND OTHER HAEMOGLOBINOPATHIES" Sponsored by the OVERSEAS DEVELOPMENT ADMINISTRATION (ODA), U.K.

In August 1988, the Project on "The Strategy for Control of Thalassaemia and Othr Haemoglobinopathies" sponsored by the Overseas Development Administration (ODA) U.K. was approved by Government of India and started in the Center. The main objectives were to screen high risk population for thalassaemia and other haemoglobinopathies, to provide genetic counselling, to create awareness, to set up prenataldiagnosis services, to establish network of screening (Satellite) Centres at the Research Society of Bai Jerbai Wadia Hospital for Children.

From 1988 to 1990 screening high risk communities like Sindhi, Lohana, Maratha and Khojas (especially youths) was undertaken and tests for screeningof thalassaemia were established, simultaneously creating awareness amongst these communities by giving genetic counselling for couples at risk. Up-to-date, more than 17,500 samples have been screened which include family studies, field screening antenatal screening and screening of high risk communities. In 1990 prenatal diagnosis of thalassaemia on FBS (using globin chain synthesis) was established and so far 248 couples at risk have taken advantage of this faiclity. 44 were found to have beta thalassaemia major while other were diagnosed sickle cell anaemia (4), beta thalassaemia/beta thalassaemia (3), HbS/beta thalassaemia (2), D thalassaemia/beta thalassaemia (3), and Hb E/beta thalassaemia (3).

In 1992 DNA analysis of CVS was started by using ARMS for direct detection of beta globin gene mutations and RELP for gene tracking in families with thalassamia trait. 294 DNA samples have been screened for mutations. CVS-DNA analysis have been done till date on 90 foetuses, of which 23 were found to have beta thalassaemia major and 87 were



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unaffected or traits.

Two Satellite Centers in high risk areas were established in 1991 (Ulhasnagar), 1993 (Rajkot).

Todate around 450 thalassaemia major children attend thalassaemia clinic, and 70 children receive regular blood transfusion at Bai Jerbai Wadia Hospital for Children, Parel, Bombay. The **World Health Organization (WHO) has recognized this laboratory as the only Reference Center for Thalassaemia in India.**

During last 6 years, 4 Scientific Officers underwent training in DNA analysis at University College Hospital, London and Oxford U.K. under Colombo Plan Fellowship for training of Government of India, Ministry of Health and Family Welfare New Delhi.

The Project was terminated in September 1994, and has now been taken over as a Research activity by this Research Society.

**Name and Designation of five Senior Researchers**

- Dr. (Mrs.) Sudha G. Gangal, (Director)
- Dr. (Mrs.) Deepa Bharatiya, (Senior Scientist)
- Mr. Flavian Vaz, Senior Scientist
- Ms. Chitra Mahadik, Senior Scientist
- Ms. Sudha Deo, Senior Scientific Officer



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# BALA MANDIR MEDICAL RESEARCH FOUNDATION

**Address:**
126, G.N. Chetty Road,
T. Nagar
Madras 600 017.

**Background**

Status of the SIRO : Registered Society

Year of establishment : 1983.

Major objectives/ Research areas : Problems pertaining to destitute women and children with regard to their physical and mental health and improvement of their mental capacity by the methods of psychology, education psychotherapy, ayurvedic medicine etc.

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 0.33 | 0.09 | 0.66 |
| Grants received | NIL | NIL | NIL |
| Other income | 0.067 | 0.14 | 0.12 |
| *Expenditure on R & D* | 0.34 | 0.26 | 0.34 |

**Infrastructural facilities**

Land & Building Area : Value: Rs. 1.00 Lakhs.

Equipment facilities : Gross Value : Rs. 2.17 lakhs.

List of sophisticated equipment :

— Galvanic skin response equipment

— Psychological Test equipment

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Grraduate | 1 | 5 |

Library facilities : A compact library containing books on child development, education, psychology and sociology is functioning.

**Major achievements claimed:**

- Research papers/Reports published

(i) "Effect of Enriched Learning and improved recreation on the psychological Development of under achievers experiments in education Vol. XIX No. 8 (Aug. 91)

(ii) "Combating Aggression in Institutionalised children with physical exercise and music" Indian Journal of psychiatry 32(2) 93-95.

(iii) "Effect of some psychotropic Ayurvedic drugs and instensive coaching on the psychological development of mentally backward children". Journal of Indian Medicine '95 Vol. 44 No. 11.



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(iv) "Standardisation of the Tamil Version of the Tennesse self-concept scale". — Awaiting publication in the Journal of psychological researches.

(v) "Effect of some Ayurvedic drugs in improving the physical and mental condition of the school children. — Awaiting publication in the Journal of Science and Research Communication."

- Seminars/Conferences attended/organised

Organised a seminar on "the Institutionalised child" 31st March "90.

**Name and Designation of five Senior Researchers**

- Dr. B. Vaidyanathan
- Dr. Sharada Menon
- Miss. S. Uma Devi
- Mrs. Kanchana Srinivasan, Consulting Psychologist.
- Miss. M.S. Priya, Psychologist.



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# BANGALORE KIDNEY FOUNDATION

**Address:**
BKF-Chande Kidney Centre
CA6, 11th Cross, 15th Main
Padmanabhanagar
Bangalore-560 070

**Background**

Status of the SIRO : Charitable Trust

Year of establishment : February, 1979

Major objectives :
(i) To conduct original research on various topics leading to better patient care.
(ii) To collect data on kidney patients, their diet and habits.
(iii) To create an awareness in the public on various aspects of renal ailment.
(iv) To create an awarness in the correct medication and dietary requirements.

Major research areas : Medical/Social/Psycho-Social Proteinuria, Nephrotic Syndrome Glomerulonephritis, Haemodialysis, Kidney Transplants.

Initial recognition by DSIR : March, 1991

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 12.37 | 2.53 | 1.74 |
| Grants received | — | — | — |
| Other Income | — | — | — |
| *Expenditure on R & D* | | | |
| • Capital | 8.41 | 0.19 | — |
| • Recurring | 2.23 | 1.60 | 0.42 |

**Infrastructural facilities**

Land & Building : Area : 33,000 sq. ft., ; Value Rs. 6.45 lakhs

Equipment facilities : Gross value : Rs. 3.90 Lakhs

List of sophisticated equipment :

— Haemodialysis Machines

— Defibrilators

— ECG Monitor



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— Oxygen Equipment

— Respirators

— Portable X-Ray Machine

— Ultrasound Scanners

— Ananesthetia Machines

— Photometers

R & D Manpower :

| | Full Time | Part Time |
|---|---|---|
| Scientific & Technical | 1 | 4 |
| Social Sciences & others | 2 | 3 |

Library facilities :

A well set up Library with about 600 books and journals is located within the Centre.

**Major achievements claimed**

(i) The major research achievements during the last 3 years have occurred in following areas :

206156

1. Renal failure Management and indications for dialysis.
2. Psycho-social aspects of Chronic Renal Failure patients.
3. Psycho-social correlation of End Stage Renal Disease-patients and their families.
4. Effect of illness on the family and spouse of Chronic Renal Failure patients.

पुस्तकालय
गांधी विद्यापीठ

(ii) Bangalore Kidney Foundation has been taking an active part in Seminars, Work-shops and Conferences in the field of Nephrology and Urology. A Work-shop on Research Activities of Bangalore Kidney Foundation was held during December 1992. A national level Seminar on Nephrology & Urology-an update" was hosted by Bangalore Kidney Foundation during 1993. International conference on Nephrology & Urology was conducted by Bangalore Kidney Foundation during 1989.

Patient undergoing Haemodialysis at Banglore Kidney Foundation



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(iii) Bangalore Kidney Foudation has also conducted Free Camp on Urology 3 times since 1991.

(iv) There are about 15 areas of research proposed to be taken up after the currently on-going research studies are completed.

(v) Bangalore Kidney Foundation and its qualified personnel have presented/published highly appraised papers/reports, both in English and the local regional language i.e., Kannada for use of general public.

(vi) The foundation has published 6 papers/Reports & organised 7 conferences seminars.

**Name and Designation of five Senior Researchers**

| | |
|---|---|
| ● Dr. K.V. Srinivas | Chief Nephrologist |
| ● Dr. P. Vijayan | Chief Urologist |
| ● Dr. N. Balakrishna | Chief of Dailysis |
| ● Dr. Suma Nagesh | Senior Registrar |
| ● Mrs. Usha Bapat | Medical & Psychiatric (Social Work Consultant) |



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# BATRA MEDICAL RESEARCH CENTRE

**Address:**
1, Tughlakabad Institutional Area,
Mehrauli Badarpur Road,
New Delhi-110 062

## Background

The Batra Medical Research Centre is duly registered society since August 1984. The B.M.R.C. has collaboration with Batra Hospital & Medical Research Centre since its inception hence the space and equipment available in the Hospital is being utilized for Research vide on agreement Ref. No. MRCH/1-04/037 dated 8th March 1986 with the Medical Director of B.M.R.C. & Hospital. The M.R.C. was given recognition by D.S.T. vide letter No. F 203/37/86 ITA II 6907 dated 11/9/1986.

The centre is engaged in Scientific Research in the area of Medical and Allied Sciences, especially pertaining to Oncology, Cardiology, Gastroenterology, Nephrology, Urology and Psychiatry. Also to provide research facilities for carrying out basic and applied research in concerned disciplines.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | Nil | 1.40 | 5.72 |
| Grants received | Nil | Nil | Nil |
| Other income | Nil | Nil | Nil |
| *Expenditure on R & D* | | | |
| • Capital | Nil | Nil | Nil |
| • Recurring | 0.53 | 0.43 | 3.91 |

**Infrastructural facilities**

Land & Building : 3000 sq. m. on 2nd floor of the Admn. Block.

Equipment facilities : Gross Value : Rs. 6.94 lakhs.

List of sophisticated equipment :

— Angiography Cine Projector
— Hemoximeter Pacing System with Infusion Pump
— Defibrillator
— Ventilator

Besides all equipment available in the Hospital is being used for Research.

R & D Manpower

| | Part Time |
|---|---|
| Scientific & Technical (Medical Science) | 18 |
| Social Science & Others | 18 |

Library facilities:

Batra Medical Resarch Centre has good facilities with several journals subscribed. Recently published books are purchased from time to time. It is proposed to have a link with the National Informative Centre in the future.

## Major achievements claimed

Five research projects in Cardiology & Gastroenterology were started in 1986 and completed. The final reports have been submitted to DST.



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3 Research Projects have been approved by the DST for 1993-94 vide letter No. 14/23/88-TU-V dated 25/4/94.

4 Research Projects are planned for the year 1994-95 in the fields of Medicine/Anaesthesiology and Microbiology. The research proposals have been approved by the Batra Medical Research Advisory Committee and the Governing Body. They will be submitted to the DST for approval.

- Research papers/Reports published : 15
- Seminars/Conferences attended/ organised . : Attended : 24; Organised : 26
- Awards won : 2 (National Citizens Award 1994 & Women of the year 1994.)

Any other training sponsored : (i) 1 (Nargis Dutt Foundation 1994 Fellowship in Oncology.)

(ii) Consultant Served as WHO S.T.C.

**Name and Designation of Senior Researchers**

- Dr. M. P. Vaidya
  Medical Advisor & Head Deptt. of Surgery Batra Hospital & M.R.C.
- Dr. Rajiv Lochan
  Director Research Batra Cardiac Care Centre, Consultant in Cardiology.
- Dr. R. K. Mani
  Consultant (Internal Medicine)
- Usha Gupta
  Director Research (Batra MRC)., Consultant Microbiologist, Batra MRC (Ex-Professor of Microbiology AIIMS, New Delhi.)
- Dr. V. Hingorani
  Head of the Deptt. of Obst. & Gynaeocology (Ex-Prof. & Head of Obst. & Gynae, AIIMS, New Delhi.)
- Dr. S. K. Goel/Dr. K. Gupta/Dr. S. Sharma
  Deptt. of Anaesthesiology Batra MRC & Hospital.



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# BHARTIYA VAIDYAK SAMANVAYA SAMITI'S
# ALL INDIA AYURVEDA RESEARCH INSTITUTE

**Address:**
Shri Ayurved Mahavidyalaya
Hanumannagar, Nagpur-9
Nagpur-440 009
(Maharashtra)

## Background

Status of the SIRO : Registered Society

Year of establishment : September, 1981

Major objectives :

(i) To make availble to the general public and specially to the rural areas, irespective of Caste, creed and religion the medical and health facilities of the institute, particularly of those specialities, which are not available in any system of Medicine in this region in as far as the preventive and curative as well as effective medical care is concerned.

(ii) To carry on intensive research in Ayurveda on various very important and equally troublesome diseases like Cancer, Diabetes, High Blood pressure, Cardiac ailments, Ano-rectal diseases, Amaebiosis, which have been hitherto, considered as incurable.

(iii) to start and control the manufacture of genuine and authentic Ayurvedic drugs on strictly scientific basis and procedure.

Major research areas : Ayurveda

Initial recognition by DSIR : May, 1990

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received | 4.81 | 0.64 | 3.42 |
| Grants received | Nil | Nil | Nil |
| Other income | 3.55 | 4.23 | 4.64 |
| *Expenditure on R & D* | | | |
| • Capital | 1.19 | 0.08 | 0.10 |
| • Recurring | 10.40 | 9.41 | 10.64 |

**Infrastructural facilities**

Land & Building area: : 189150 Sq. feet; Value: Rs. 104.o0 lakhs

Equipment facilities : Gross Value : Rs.22 lakhs.

List of sophisticated equipment :

— Physiotheraphy's equipment

— Photo electric coloriemeter;

— Ayurvedic Panchkarma's yantra



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— Vaman Yantra
— Awgaha & parisheka
— Shirodhara yantra
— Virechana yantra
— Nasyakarma
— Jentak Swedan yantra
— Multiple gim
— X-Ray Unit
— E.C.G. Manpower
— Sucction Machine

R & D Manpower

| | Full time | Part time & Honourarium |
|---|---|---|
| Scientific & Technical | 22 | 7 |
| Social Sciences & Others | 18 | — |

Library facilities :

Total Books: 16,201 in Sanskrit, Padarth, Vigyan, Rasashastra, Nidan, Shalya tantra, Shalakya Tantra, Reference books, reports, etc.

**Major achievements claimed**

- Technologies developed and for upscaling/commercialisation — Technolgogies improved/developed as far as Panchakarma, Kshar, Karma Agnikarama, Basti & Uttarbasti is concerned.
- Technolgies developed and ready for upscaling — (i) Some methodolgical changes has been introduced in treating the patients of Vatavyadhies i.e. Polio,
- New Techniques/methodology developed and impleneted — Hemiplegia, Paraplegia & Blood pressure with its classification & introduction of new medicine for the same.

(ii) Evaluation of new effects of new drugs and methodology for different types of madhumeha, Mutrarogal Swas-kas, Gynaecological disorders such as menstrul disturbances, menopausal, etc., shiroroga & skin disorder has been done.

- Research paper/Report Published: 7
- Seminars/Conferences & refersher Courses conducted by the Institution : i) Seminar on Roll of Ayurved on Nation Health Programme and Health for all upto 2000 Yrs.

ii) Workshop and Sangosthi on Panchakarm & Kayachikitsa

iii) Re-Orientation programme

— Panchkarma & Ayurvedic Physicians



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— S. Samhita Siddhanta, Sharir Rachana,

— Sharir Kriya & Shlya Tantra.

**Name of Senior Researchers**

- Pdt. Shivkaran Sharma Chhangani.
- Prof. G. Sharma Mishra
- Prof. S.L. Ingole
- Vd. G.S. Jyotishi
- Vd. W.G. Agnihotir
- Prof. S.P. Boradkar



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# BLIND MEN'S ASSOCIATION

**Address:**
Vastrapur,
Ahmedabad-380 015

**Background**

Status of the SIRO : Public Charitable Trust Registration No. F-112, 7 October, 1959

Major objectives :
(i) Education, training and rehabilitation of the visually impaired and disabled persons of all categories
(ii) Prevention of preventable blindness and disability.
(iii) Cure of curable disability
(iv) Research and development of mobility, rehabilitation ad assistive devices for the blind and disabled
(v) Resarch into educational pattern of the blind and disabled
(vi) Research for developing newer education and rehabilitation programmes for the blind and disabled
(vii) social research into personality types, adjustment mechanisms of the blind and disabled
(viii) Research into work designs to match residual skills of the disabled.

Initial recognition by DISR : July, 1994

**Income and R & D expenditure**

*(Rs. in lakhs)*

| *Income* | : | 1992-93 | 1993-94 | 1994-95 (Tentative) |
|---|---|---|---|---|
| Donations Received | : | 15.95 | 32.27 | 21.86 |
| Grants Received | : | 51.47 | 57.22 | 62.89 |
| Other income | : | 40.06 | 37.57 | 22.82 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 09.14 | 06.71 | 12.01 |
| • Recurring | : | 76.25 | 86.75 | 102.00 |

**Infrastructural facilities :**

Land & Building : Area : About 5 Acres
: Value : Rs. 85.78 Lakhs

Equipment facilities : Gross Value: Rs. 22.16 lakhs

List of sophisticated equipment :

— Versabraille Computer
— Versapoint Braille Embosser
— Everest-D Braille Embosser
— Dolphin Speech Synthesizer
— PC\s AT - 386
— Shaping, Milling, Drilling Machine
— Dip Welding Machine
—Pipe Bending Machine
— Shortwave Diathermy Machine
— Braille Thermoform



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— Braille Shorthand Machines
— Certvical Traction
— Lumber Traction
— Interferential
— Tacticle Models

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | (B.E.) | 3 | |
| | Orthotic-Prosthetic Engineer | 1 | |
| | Computer Programmes | 1 | 2 |
| Social Science | MBW | 2 | |
| | MSW | 5 | |
| | Occupational Therapist | 1 | |
| | Special Educator | | |
| | O&M Expert | 4 | |
| | Special Teachers | 1 | |
| | Medical Specialists | 15 | |
| | Physiotherapists | 4 | 1 |
| Library facilities | 1500 books in braille<br>500 books in ink print<br>10000 books on cassettes | | |

**Major achievements claimed:**

- *Technologies Developed & Transferred*
  - i) Development of gujarati braille system
  - ii) Research into nylotic orthosis and commercial production thereafter
  - iii) Development of braille micrometer on behalf of Mission Mode Project, Department of Science & Technology
  - iv) Study into existing educational system for the blind
  - v) Development and implementation of gujarati braille reading fluency test
  - vi) Development of continuity tester
  - vii) Development of spot-welding device
- *Technologies Ready for Upscaling*
  - i) Curriculum development for persons with multiple diabilities
  - ii) Research into indigeneous material for manufacture of light weight prosthesis
  - iii) Model school of physiotherapy for the visually impaired
  - iv) Electronics training centre
  - v) Temple of hope scheme
- *New Techniques Developed and Implemented*
  - i) Nylitic orthosis
  - ii) Braille micrometer
  - iii) Community based rehabilitation programme
  - iv) Unique urban community based project for the aged
  - v) Itinerant system of integrated education of the blind
  - vi) Sensory & practicum training of persons with multiple disabilities



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vii) Tricycle for the orthopaedically handicapped

viii) Special carrier for jain sadhus

ix) Auto tricycle for the disabled

x) Use of polyurethene for prosthesis

Presentation mode: 12

i) "Community Based Rehabilitatio of the Visually Handicapped — A compulsion-Not an option", 9th quinquenniel Conference of the International Council for the Visually Handicapped, Bangkok, (27—31 July, 1992).

ii) "The Renaissance", 9th Quinquenniel Conference of the International Council for the Education of the Visually Handicapped, Bangkok, (27—31 July, 1992)

iii) "Innovations in the Field of Visually Handicapped", 20th Gujarat State Opthalmic Conference, Karamsad, (17 October, 1992).

iv) "Psychological Implications of Blindness", DANIDA Workshop, Ahmedabad, (October, 1992).

v) "Planning and Management of the Community Based Rehabilitation Programmes", NORAD Workshop, organized by Sewa-in-Action, (19—21 October, 1992).

vi) "Training of A.D.L. to Visually Handicapped Persons", Second Annual Conference of Provinicial Physio-occupational Therapist Association, U.P., (November, 1992).

vii) Developing functional curriculam for persons with multipal disabilities-ICEVI Asian Conference, Ahmedabad.

viii) High Lighting the needs of persons with multiple diabilities-NIVH, National Seminar, Ahmedabad.

ix) Rehabilitation of Persons with multiple disabilities in community based rehabilitation programmes-RCI, CBR Workshop, Ahmedabad.

x) New trands in rehabilitation project for mentally handicpped-RCI, CBR Workshop, Ahmedabad.

xi) Vocational training & employment opportunities for persons with mental handicap.

xii) "Community-Based Rehabilitation of the Rural Blind", NIVH national Seminar, 1994.

Seminars attended/ Organised : 12

- Seminars Organised

  i) Workshop on Community Based Rehabilitation jointly organised by Rehabilitation Council of India & BMA in March, 1995

  ii) Workshop on Teaching of Science to the Blind jointly organised by NCERT & BMA, March, 1993.

- Awards won :

  — FICCI Award
  — National Award
  — Padmashri for Gen. Secretary
  — Golden Award by Helpage International



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**Name and Designation of Senior Researchers :**

| | |
|---|---|
| Dr. Bhushan Punani | Executive Director |
| Mrs. Nandini Rawal | Project Director |
| Mrs. Vimal Thawani | Psychiatric Social Worker |
| Mr. Akhil Paul | Senior Project Coordinator |
| Mr. Subhashish Mohanty | Orthotic-Prosthetic Engineer |



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# BREACH CANDY MEDICAL RESEARCH CENTRE

**Address:**
60, Bhulabhai Desai Road,
Bombay-400 026

**Income and R & D expenditure**

| | (Rs. in Lakhs) 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* | | | |
| Donations Received | Nil | 9.12 | 7.28 |
| *Expenditure on R & D* | | | |
| • Capital | 18.59 | 2.38 | 8.09 |
| • Recurring | 7.53 | 7.51 | 8.39 |

**Infrastructural facilities**

— Equipment facilities: Gross Value: Rs. 37.85 lakhs

List of sophisticated equipment

- — Pictoval
- — Haemodynamic Monitor
- — Co2 Analyser
- — CO2 Incubator
- — Microscope 'Fluovert'
- — Medical Research Centrifuge
- — Titertek Multiskan Plus MK II
- — Surgical Operating Zoom Microscope
- — Electrophores is Unit
- — DNA Thermal Cycler
- — Mcromax Digital Micricentrifuge
- — Transilluminator, etc.

R & D Manpower:

| | Qualification | |
|---|---|---|
| Scientific & Technical | Doctorate | 2 |
| Social Sciences and Others | Post Graduate | 2 |

Library facilities: AVAILABLE

**Major achievement claimed**

- Research papers/Reports Published — 5 papers + 1 book on Tetanus.
- Seminars/Conferences attended/organised — 4

**Name of five Senior Researchers :**

- Dr. F.E. Udwadia
- Dr. V.M. Doctor
- Dr. N.D. Motashaw
- Dr. D.J. Jussawalla
- Dr. D.B. Pahlajani



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# CANCER CARE TRUST & RESEARCH FOUNDATION

**Address:**
Old Sehore Road,
Indore

## Background

Status of the SIRO : Cancer Research Institute

Year of establishment : 1989

Major objectives :
i) Control of Tobacco use.
ii) Public awareness & education about irradication of Tobacco use & Cancer education.
iii) Early detection of Cancer.
iv) To find new areas of treatment in Cancer control.
v) Treatment of all types of Cancer.

Major research areas :
i) Bone Marrow Transplanation.
ii) DNA study for tumor control.
iii) Oncogenic study for early detection of Cancer.
iv) Brachytherapy for treatment of Cancer for organ preservation and better quality of life.
v) Newer fractionation regimes in Radiotherapy.
vi) Use of lasers in treatment of early Cancers.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 10.19 | 124.04 | 72.57 |
| Grants Received (From ICMR, New Delhi) | Nil | Nil | 0.80 |
| Other income | 0.93 | 2.23 | 5.09 |
| *Expenditure on R&D* | 7.63 | 12.34 | 26.18 |

## Infrastructural facilities:

Land & Building : Area : 10 Acres land for Hospital
12,000 Sq.ft. land for Cancer Detection Centre.
Value (Hospital) : Rs. 600 lakhs
C.D.C. : Rs. 250 lakhs

Equipment facilities : Gross value : Rs. 500 lakhs

List of sophisticated equipment :

— Theratron 780-C for Teletherapy
— Computerised Treatment Planning System
— C.T. Scan with 1 mm slices and 3D reconstruction
— Gamma Camera
— 500 MA, 300 MA & 60 MA X-ray machines



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— Mammography Equipment
— Orthopantomography Equipment
— Ultrasonography Equipment
— Cell Seperator
— Colposcope

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctors | 9 | 8 |
| | Physicist | 1 | — |
| | Technicians | 6 | 4 |
| | Social workers | 4 | 12 |
| Others | | 35 | — |

Library facilities : Available

**Major achievements claimed:**

- Technologies developed
  - i) CCT Spatula for taking PAP smear.
  - ii) Cytofix
- Technologies ready for upscaling

Brush for Cytology

- New Techniques developed
  - i) Immoblisation tech. for RT.
  - ii) CT Scan use for treatment planning of RT in various malignancies.
  - iii) Bone Marrow Transplanation.
- Seminars/Conference Organised
  - i) International :
    - a) 8th Biennial Conference of Indian Society of Medical & Pediatric Oncology.
    - b) International Conference on Head & Neck Oncology and Workshop on Speech Rehabilitation.
  - ii) National :
    - a) Seminar on Recent Trends in Management of Breast Cancer.
    - b) Role of Mammography in Early Detection of Breast diseases and its impact.
    - c) WHO Workshop on Early Detection of Breast, Cervical & Oral Cancers.
  - iii) Others : 5
- Seminars/Conferences Attended

| International | National | Others |
|---|---|---|
| 3 | 3 | 15 |


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## Awards Won :

UICC Fellowships received by

1) Dr. Prakash Chajlani
2) Mr. T.K.R. Sethuraman
3) Dr. Virendra Bhandari

**Name and Designation of five Senior Researchers:**

| | |
|---|---|
| Dr. S.S. Nayyar | Honorary Secretary & Director - CCT & Chief Surgeon |
| Dr. Dinesh Pendharkar | Head, Dept. of Medical Oncology |
| Dr. Virendra Bhandari | Head, Dept. of Radiation Oncology |
| Dr. Aparna Sodani | Head, Dept. of Radio Diagnosis |
| Dr. Vineeta Kothari | Head, Dept. of Pathology |



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# CANCER HOSPITAL AND RESEARCH INSTITUTE

**Address:**
Mandre KI Mata, Cancer Hill,
Gwalior 474 009.

## Background

Status of the SIRO : Cancer Hospital and Research Institute, Gwalior, established in 1971.

Year of establishment : 1971.

Major research areas : (i) Search for new anticancer agents.
(ii) Studies in Medical Oncology, Surgical Oncology, Radiotherapy.

## Income and R & D expenditure

(Rs. in Lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donation received | - | - | - |
| Grants Received | 40.00 | 48.47 | 30.00 |
| Other income | 24.50 | 36.21 | 23.01 |
| *Expenditure on R&D* | | | |
| • Capital | 00.22 | 00.99 | - |
| • Recurring | 10.92 | 10.59 | 14.93 |

## Infrastructural facilities

Land and Building : Area: Land: 266 Acres Building: Rs. 1000.00 Lakhs.

Equipment facilities : Gross Value: Rs. 400 Lakhs approximately.

List of sophisticated equipment

- Theratron 780 Cobalt Unit.
- Radio-diagnostic Unit
- Thyrid Uptake Unit.
- Renogram Unit.
- Spectometer Gamma Ray.
- Mammography.
- Cryostat Microtome
- Pea Gamma Area Monitor
- Selectorn
- Automatic Tissue Processor
- Beta Gamma Counter
- Laryngoscope
- Automatic Liquid Scintillation Counter
- Haematology Analyser
- Whole Body Cat Scan Unit
- Radiotome 704-B-Surgical Diathermy
- C-Arm Unit
- Gamma Camera

R & D Manpower: Full Time

Scientific & Technical 96

Library facilties : Available





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**Major achievements claimed**

Details of Research Programmes/protocols

(i) Teaching

The Institute is affiliated to Jiwaji University, Gwalior, and runs M.Sc. Classes in Appled Microbiology and Applied Biochemistry. Teaching B.Sc. Nursing is done in Nursing College of the Institute.

(ii) National Cancer control programme

During the last 3 years Cancer Hospital and Research Institute took the responsibility of Morena and Bhind Districts under Cancer Control Programme.

Under this activity a team of doctors and para-medical staff has been visiting number of places for spot detection of cancer an subsequent follow up at the Institute.

Workshops and Seminars have been organised to train Medical and para-medical Staff of the districts for creating awareness about the cancer in the public.

The Hospital has also floated 'Cancer Se Jeevan Raksha Yojna' initiated by Jan Vikas Nyas, which is running the Cancer Hospital and Research Insittute.

Under Cancer Education Programme Institute has also organised lectures and demonstrations in different girls colleges.

Essay and poster competitions were organised for two age groups of the students of Morena and Gwalior Districts.

(iii) Training Programme

1. Pathology department gave training to technicians in Pathology.
2. Department of Medical Oncology organised a Certification Course in Radiation Safety.

(iv) Protocols:

5 protocols in Surgical Oncology and 3 in department of Rediotherapy are under study.

- Research Papers/Reports Presented/Published

(i) 20 papers were presented at the national Conference and 7 research papers at the International Conferences by the doctors.

(ii) Papers Published

18 papers have been contributed by the doctors, of which 16 have been published in national Jornals and 2 in International Journals.

- Workshops/Seminars Organised

A Workshop in Oral Caner and a Seminar on 'Cancer Chikitsa Me Ayurvd Ka Yogdan' have been organised by the Institute. Specialists and doctors from different parts of the Country participated.

- Research Projects

The following two research projects have been sponsored by Madhya Pradesh Council of Science and Technology, Bhopal.



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(i) Early Detection of Cancer Cervix in women-Department of Pathology - Co-investigator Dr. R.K. Joshi.

(ii) Immunological Study of Breast Cancer - Department of Microbiology.

- Any other Investigator : Archana Shrivastava.

(i) Research Degrees Awarded

(a) One Research worker has been awarded Ph.D. Degree by Jiwaji University, Gwalior.

(b) Another Scientist has been awarded Ph.D. Degree on the topic entitled 'Radiotherapeutic Study of Malignant Diseases.'

(c) 8 Research Workers (five in 1992-93, two in 1993-94 and one in 1994-94) have been awarded Ph.D. degree in Chemistry.

(ii) Research in Progress

Research Wing of the Institute is working on designing and synthesis of new potential anti-cancer agents and anti-HIV compounds.

Four new compouns synthesised were selected by National Cancer Institute, Maryland, U.S.A. for in vivo testing as anti-cancer agent. Three out of the lot have been referred to Biological Evaluation Committee (BEC) for intensive testing.

Recently some new compounds have been sent to N.C.I. for testing their efficacy as anti-HIV agents.

**Names of five Senior Researchers**

- Dr. V.S. Jolly
- Dr. B.R. Shrivastava
- Dr. Archana Shrivastava
- Dr. P.P. Bhargava
- Dr. S.D. Bhardwaj



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# CANCER INSTITUTE (W.I.A.)

**Address:**
Canal Bank Road, Adyar,
Madras 600 020

**Background**

Status of the SIR : Registered under the Societies Registration Act 1860.

Major objectives : Research in

EPIDEMIOLOGY
ETIOLOGY;
METABOLISM and Treatment of Cancer and
Allied areas of Biological Transformations.

Major research areas :
RADIATION MEDICINE
BIOLOGY
MICROBIOLOGY (TUMOUR)
BIOCHEMISTRY
PHYSICS, BIOPHYSICS
MEDICAL ONCOLOGY
EPIDEMIOLOGY
RADIATION ONCOLOGY
BACTERIOLOGY/VIROLOGY
HYPERTHERMIA
CYTOGENETICS
BIOMEDICAL ENGINEERING
ENVIRONMENTAL
CARCIINOGENESIS
MOLECULAR ONCOLOGY

Initial recognition of SIRO

**Income and R & D expenditure:** (Rs. in lakhs)

| *Income:* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received: | 20.96 | 17.57 | 69.32 |
| Grants Received: | 50.00 | 55.00 | 55.00 |
| Other Income (From Dept. of Atomic Energy) | 48.60 | 67.61 | 80.00 |
| *Expenditure on R&D* | | | |
| • Capital: | 63.16 | 48.64 | 101.95 |
| • Recurring: | 59.86 | 87.98 | 107.57 |

**Infrastructural facilities:**

Land & Building : Area: 9.2 Acres
Value: Rs. 2664 Lakhs (Approx.)

Equipment facilities : Gross Value: Rs. 2153 Lakhs

List of sophisticated equipment :
Transmission Electron Microscope
Facscan for Cytopflowmetry
Haemotology analyser
NMR Spectrometer



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Wholebody Gamma Counter
Gamma Camera Systems
Rectilinear Scanner Systems
Scat Profiles Ultra Scan Systems
Laser Endoscopy Systems
Research Microscope
Linear Accellerators
Cobalt 60 Units
Selectron Afterloading Units
Hyperthermia RF 8 — Thermatron
Liquid Scintalation Counters
Gas flow Counters
Laproscopy Surgical Unit etc.
Computerised Tamographic scanner
Tamographic Ultra-scanned Unit

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates<br>Post Graduates | 180 | 18 |
| Social Sciences | Diploma in Social Sciences | 14 | — |
| Others | | 251 | — |

Library facilities :

Books : 4028
Periodicals : 3442
Catalogues : 473
Annual Scientific Reports : 867
Reprints Filed : 51
Book Stock is classified and catalogued according to Dewey Decimal Classification and Card respectively.

**Major achievements claimed:**

- Technologies developed and transferred for upscaling commercialisation/ Technologies developed and ready for upscaling/ New Techniques/methodologies developed and implemented:

The Research Programme that the Institute has developed especially in oral, pharyngeal, cervical and breast cancers have been adopted by many centres in India and abroad. The improvement in the cure of these cancers obtained as a result of our research developments has benefited more than a million cancern patients annually all over the South and South East Asia. The Institute has provided a totally free of cost application of these improved methods of treatment for over 5000 poor patients at the Institute annually.

In addition the Institute has been responsible for promoting synthesis of anti-cancer drugs in the country. It was the basic work done by the Institute on the Cisplatinum that enabled the Tamil Nadu Dadha Pharmaceuticals to market this commonly used anti-cancer drug, thus saving foreign exchange for the country. Vincristine is also now manufactured and marketed in the country. The Institute is engaged



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in trying to stimulate indigenous production of these drugs.

Bio-medical Engineering Division has completed the fabrication of the prototype of a Remote Afterloading Intracavitary Brachytherapy Unit using purely indigenous components. It has also now obtained a No Objection Certificate from the Department of Atomic Energy for the import of Cesium-137, which is now under process. The cost of this unit is estimated to be around Rs. 8 lakhs compared to an imported unit which is now cost Rs. 50 lakhs.

Patents filed : Applied for a patent in the product, application No. POM/2096 dated 4.9.1995.

- Research papers/Reports: Published — 108 in last 3 years,
- Seminars/Conferences : — Annually 2 International Seminars on basic and Clinical Oncology are held since last 15 years. There are atleast 6 Invited Lectures each year, apart from weekly tumour boards, Journal Club meetings and the monthly clinical meetings.

**Name and Designation of five Senior Researchers**

- Prof. Dr. S. Krishnamurthi, Director Emeritus, Hony. Advisr Research & Planning.
- Prof. Dr. V. Shanta, Director & Scientific Director
- Prof. Dr. A.V. Lakshmanan, Head of Deptt. of Radiation Physics
- Prof. Dr. B. Nagarajan, Head of Deptt. of Tumour Microbiology
- Prof. Dr. A.Meenakshi, Head of Division of Bio-Chemistry

Prototype of "citron" After Loading Intracavitary Radiation Unit



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# CENTRAL INDIA INSTITUTE OF MEDICAL SCIENCES

**Address:**
88/2 Bajaj Nagar,
Nagpur 440 010 (M.S)

**Background**

Status of the SIRO : Registered Society

Year of establishment : 1984

Major objectives/major research areas :

i) To establish and promote research activities related to nutrition disorders, genetic disorders and also for those ailments for which understanding is poor at present.

ii) To establish, operate, promote, run, maintain, manage institution engaged in advancement of research pertaining to neurology, cardiological and endocrinological sciences.

iii) To conduct research on rural Health problems.

iv) To conduct conferences, refresher courses, lectures, seminars demonstration and exhibition relating to research done and result obtained.

**Income and R & D expenditure :**

*(Rs. In lakhs)*

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received : | 25.35 | 10.51 | 18.10 |
| Grants received : | NIL | NIL | NIL |
| Other Income : | 6.88 | 13.01 | 16.90 |
| *Expenditure on R&D* | | | |
| • Capital : | 33.66 | 26.81 | 32.35 |
| • Recurring : | 18.14 | 19.09 | 22.90 |

**Infrastructural facilities :**

Land & Building : Area : 27000 Sqft; Value : Rs. 33.97 Lakhs

Equipment facilities : Gross value : Rs. 210.00 Lakhs

List of sophisticated equipment

— Cardiac Cathlab
— Polystan Heart Lung Machine
— Servoventilator
— C-ARM image Intensifier
— Neuromatic 2000 C
— Erma Blood Cell counter
— ABL-3000

R & D Manpower :

| | Full Time | Part Time |
|---|---|---|
| Scientific & Technical | 21 | 02 |
| Social Sciences and others | 09 | — |

Library facilities available

**Major achievements claimed**

- Research papers/reports published :
  i) Hemifacial Spasm: Early Postoperative Normalization of Blink Reflex Latency
  Published in British Journal Neurosurgery (1993) 7,407-411.



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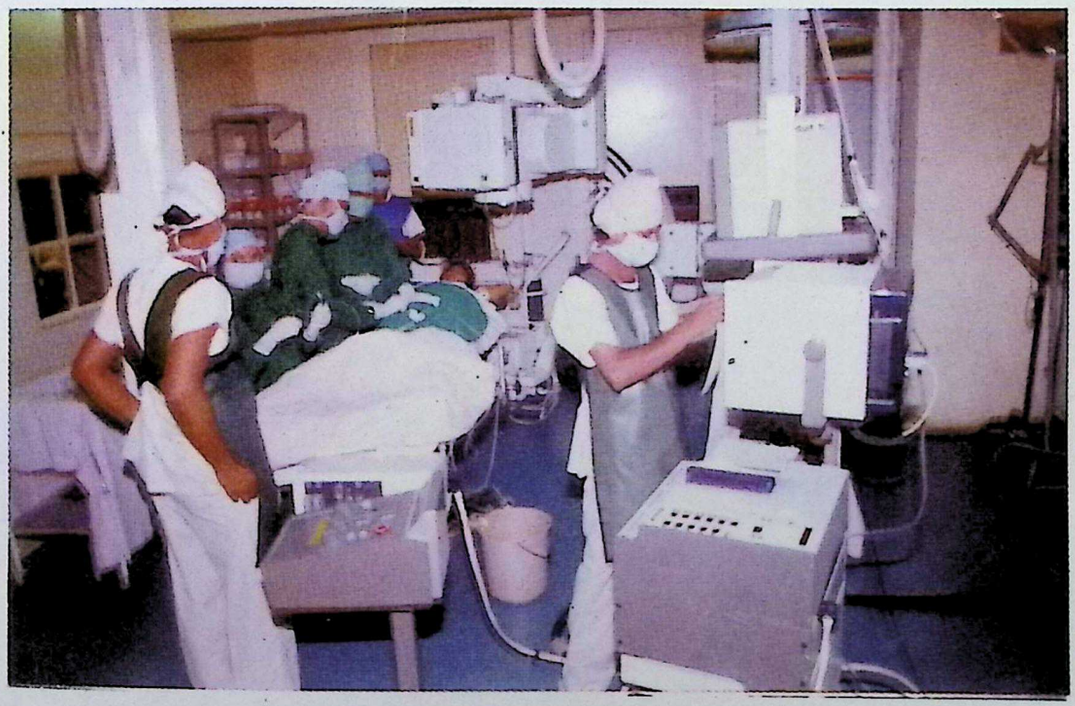
ii) Vibration induced acute carpal tunnel syndrome in a neurosurgeon following use of bone drill.
Published in Neurology India, 41, 43-45 (1993)

iii) Epilepsy — the patients and their relatives published in social welfare Vol. XXXVI No. 3-4 June-July 1989

- Seminars/Conferences Attended/Organised :
  i) Clinical Meeting at CIIMS from 1.4.93 to 31.3.94
  ii) Symposia workshop at CIIMS
  Topics:
  — Diabetes Mellitus Awareness and Education
  — Endoscopic Surgery
  — Newer Antiepileptic Drugs
  — Mitral Valvoplasty
- Any Other : Bulletin published in the month of January-1995

**Names of Senior Researchers**

- Dr. G.M. Taori
- Dr. P.S. Bidwai
- Dr. A.B. Bhoyar
- Dr. L. Singh
- Dr. S.K. Kelkar
- Dr. S.M. Kothekar



Procedure of Cardiac Catheterizetion



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# CENTRE FOR RESEARCH IN MENTAL RETARDATION OF V.D. INDIAN SOCIETY FOR MENTALLY RETARDED

**Address:**
Khushaldas Dagara House,
Near Ruia Hall,
Malad (W),
Bombay-400 064.

**Background**

Major objectives : Establishing a—

(i) "REFERRAL SYSTEM" for Care of M.R. children

(ii) Well equipped genetic, metabolic & neurochemical laboratories for clinical, applied & basic research.

Major of research areas : Clinical basic & applied research in—

(i) Mental Retardation
(ii) Neurosciences
(iii) Genetics
(iv) Cell Bilology

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 3.84 | 2.68 | 5.22 |
| Grants received | | | |
| (a) Grants | Nil | Nil | 2.25 |
| (b) Project Income | 2.22 | 1.33 | 4.43 |
| Other income | 1.05 | 1.16 | 1.68 |
| *Expenditure on R & D* | | | |
| ● Capital | 0.91 | 10.41 | 0.59 |
| ● Recurring | 5.69 | 7.15 | 8.19 |

**Infrastructural facilities:**

Land & Building : Areas: Approx. 2500 Sq. ft.

Equipment facilities : Gross Value : Rs. 10.83 lakhs.

List of sophisticated equipment :

— Microscope with photography attachment.
— Spectrophotometer & Colorimeter
— Photography unit with routine developing
— High Perfromacne Liquid Chromatography (HPLC)
— $CO_2$ Incubator
— Light Miscroscope
— Opthalmoscope
— Pentax Camera with close-up lenses.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorate/ Post Graduate | 5 | 5 |
| Social Sciences & Others | Graduate/ | — | 3 |



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**Major achievements claimed:**

- New Techniques/methodologies developed and implemented:

  (i) Established a Referral Centre for care of M.R. in North Bombay.

  Established a Genetic Lab. for special chromósomal banding methods.

  (ii) Established a HPLC system Lab. & Antiepileptic drug levesl by HPLC Methods.

- Research papers/Report/Publications & Presentations : 25

- Seminars/Workshops/Training:

  (i) Seminars on "Update Research in Mental Retardation"

  —Intervention in HIgh Risk Cases of Mental Retardation, for special educationists and O.T. and P.T. held on 25th Feb. 1989, at Bombay University Club.

  (ii) Seminar on "Updated Research in Mental Retardation"

  Diagnosis and Management on M.R., on 26th Feb. 1989 at Sea Rock Sheraton Hotel, Bombay for general physcians, pediatricians, obst. & gynaecologists an neurologists.

  (iii) Two Training Workshps on "Idnetification of M.R." for Community Halth Workers — (In Collab. with TISS) — 1989-90 at CREMERE, Malad.

  (iv) Four training Workshops on "Detectionand Prevention of M.R." for Medical Officers/Doctors from B.M.C., Bombay (1990-91) at CREMERE, Malad.

  (v) TWo Training Workshops on "Identification of M.R. and Genetic Counselling" for public Health nurses, Bombay (1990-91) at CREMERE Malad.

  (vi) Workshop on "Scholastic Backwardness" on 13th Jan. 1991 for parents, teachers and educationists at CREMERE, Malad.

  (vii) Scientifc Programme arranged on the Inaugural function "Extension of New Research Wing" on 7th Feb. 1991; doctors & research staff personnels were invited at CREMERE, Malad.

  (viii) A seminar on "Foetal & Neonatal Care — Genetic and Environmental Aspects" for GPs, Pediatricians, Obstetricians, Gynaecologists of the Malad and for B.M.C. doctors — on 15th Sept. 1991.

- Any other: (i) Conducted UNICEF-supported projects. (1992-94)

  (ii) Published book on Mental Retardation

**Name and Designation of five Researchers:**

- Dr. A.V. Mehta, Research Director
- Dr. Usha P. Dave, Dy. Research Director
- Dr. Lata Mehta, Hon. Professor of Anatomy
- Dr. Vrajesh Udani, Hon. Child Neurologist
- Ms. Pratibha Posam, Research Officer





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# CHRISTIAN MEDICAL COLLEGE AND HOSPITAL

**Address:**
Christan Medical College
and Hospital,
Vellore-632 004,
Tamil Nadu

**Background** : Christan Medical College & Hospital, Vellore is an educational and research instiute, affiliated to the TN Dr. M.G.R. Medical University.

Major objectives :
i) To offer a high quality of undergraduate and postgraduate education in medicine, nursing and a variety of allied health sciences.
ii) To provide health care from primary to tertiary levels, keeping in mind the socio-economic, cultural and ethical background of our setting.
iii) To develop research programmes that are relevant to our country.

Major of research area :
i) Bone Marrow Transplantation technology
ii) Development of prostheses for the physically handicapped
iii) Development of software for use of linear accelerator to treat patients with cancer.
iv) Improvements in islet cell transplantation in animals
v) Developing diagnostic modalities in Nuclear medicine to reduce costs.
vi) HIV infection and AIDS

Initial recognition : June, 1973

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | Nil | Nil | Nil |
| Grants received | 273.24 | 291.46 | 274.99 |
| Other income | Nil | Nil | Nil |
| *Expenditure on R & D* | | | |
| • Capital | 15.94 | 46.14 | 216.09 |
| • Recurring | 235.61 | 245.31 | 44.74 |

**Infrastructural facilities:**

Land & Building : Areas: 3,11,70 Sq. ft.
Value Rs. 1591.25 (lakhs)

Equipment facilities : Rs. 4467.38 lakhs.



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List of sophisticated equipment :

— CT Scanner
— MRI Scanner (purchased and being installed)
— Linear accelerator
— Blood irradiators and cell separators for bone marrow transplant

R & D Manpower:

| | Full time | Part time |
|---|---|---|
| Scientific & Technical | 52 | 5 |
| Social Sciences & Others | 21 | 1 |

Library facilities : There is a well equipped Library with Medlan on CD-ROM for literature search. The institution is in the process of acquiring a Modem to be linked with the Library of the Tamil Nadu Dr. M.G.R. Medical University.

**Major achievements claimed:**

- Technologies Developed:

  (i) Bone Marrow Transplant Technology is available at a fraction of the cost in developed countries.

  (ii) Isolation of viable pancreatic islets on a large scale in monkeys. This has major implications for treatment of diabetes.

  (iii) Orthotic knee and hip joint with Composite Reaction injection molding being developed in collaboration with IIT Madras.

  (iv) Two dimensional radiation field analyzer for Linear Accelerator developed and third dimension incorporation in progress. Software for data acquisition and data analysis have been developed. A treatment planning software has been developed.

  (v) Developed a technique of intratumoural injection of radiosensitizer.

  (vi) Developed tumour imaging scan using Tc 99m.

- New Techniques/methodologies developed and implemented:

  Improvements in pancreatic islet transplanation techniques in animals.

- Research papers/Reports Published : 203 (1992), 200 (1993), 73 (1994)

- Seminars/Conferences attended/Organised : 13

- Awards won

  (i) Amrut Mody Unichem Prize of the ICMR (for Maternal and Child Health), for the year 1993 for the outstanding contribution in the field of Vaccinology.

  (ii) Kshanika Oration Award of the ICMR for the year 1993.

  (iii) D. Sc. by the Tamil Nadu Dr. M.G.R. Medical University.

  (iv) B. C. Roy Award of the ICMR.

  (v) Fellowship of the National Academy of Medical Sciences.



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**Name and Designation of Senior Researchers:**

- Dr. T. Jacob John, Professor and Head, Department of Virology & Microbiology
- Dr. A. S. Balasubramanian, Professor of Biochemistry
- Dr. Abraham Joseph, Professor and Head, Dept. of Community Medicine
- Dr. Minnie M. Mathan, Professor of Pathhology, Deapartment of Gastrointestinal Sciences
- Dr. Mammen Chandy, Professor and Head, Dept. of Clinical Haematology
- Dr. Marcus Devananda, Professor of Naurophysiology, Department of Neurological Sciences
- Dr. Anna Oommen, Professor of Neurochemistry, Department of Neurological Sciences
- Dr. Suranjan Bhattacharji, Associate Professor and Head, Dept. of Physical Medicine and Rehabilitation
- Dr. Sheila Nair, Professor of Pathology, Department of Pathology
- Dr. S. Gunasekaran, Professor of Physiology, Dept. of Physiology

AIDS Testing in Virology

Linear Accelerator



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# DEENDAYAL CANCER RESEARCH CENTRE

**Address:**
926, Ferguson College Road,
Shivaji Nagar,
Pune 411 004

**Background:**

Year of establishment : 1989

Major objectives : To conduct research in cancer in particular and in heart problems in general.

Major research areas :

(i) Comparative study on functional utility of preservation of anal sphincter by excision of rectum in anal/rectal cancers vs. permanent Colostomy.

(ii) A new surgical approach for phimosis: prepaeroplasty without loss of skin.

(iii) Study on pre-peritonial approach for hernioplasy in bilateral or unilateral inguinal hernia Vs. traditional approach.

(iv) Study of effect of tripple legation in vericocele patients and its follow-up.

(v) Assessment of obliteration of vas by silver bid as a temporary method of birth control.

(vi) Longitudinal study of impact of immunisations and supplementary nutrition in malnourished under fives, with special emphasis on effect of indegenously prepared protein rich food on growth and development.

(viii) Study of applicability of various mass screening procedures for improving yield of early detection, treatment and its impact upon survival rate of cancer patients.

Initial recognition by DSIR : August, 1989

**Income and R & D expenditure:**

(Rs. in lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* : | | | |
| Donations Received | 31.31 | 44.38 | 28.50 |
| Grants received | NIL | NIL | NIL |
| Other income | 0.35 | NIL | 4.03 |
| *Expenditure on R & D* : | | | |
| • Capital | 26.79 | 19.11 | 26.26 |
| • Recurring | 5.08 | 14.70 | 16.79 |

**Infrastructurel facilities:**

Land & Building : The activities of Deendayal Cancer Research Centre are housed in an area of about 7000 sq. ft. which is a



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portion of the Building owned by the fountaln Trust, viz., Dwarka Charitable Trust. The land is secured by the Dwarka Charitable Trust on lease basis.

The value of the accommodation of 7000 sq. ft. is approx. Rs. 70 lacs.

Equipment facilities : Gross value Rs. 90.00 lacs

List of sophisticated equipment :

— Colour Doppler (Apogee CX-100)
— Patient Monitor CM-8
— Stress Test Machine
— Holter
— EMG Machine
— Urethro Cystoscope & Accessories.
— Fujinon Video Endoscope system.

R & D Manpower:

| | Qualifications | Full time |
|---|---|---|
| Scientific & Technical | Doctorates/Post Graduate/ Diploma Holder | 18 |
| Social Sciences & Others | Graduates/Experienced | 10 |

Library facilities : Deendayal Cancer Research Centre is having a well equipped modern library with latest books & journals etc. Attached to it is a study room and clinic room in which modern facilities like projector, audio-vidual equipments, video cassettes on different subjects and communication of internet through sattelite to call for the world information on a desired topic of the choice of the researcher, are available.

The Institute is also connected with eminent libraries of British Council, Pune University, B.J. Medical College, Bhandarkar Institute and Karve Institute at Pune. Modern Technology and their experts are invited subjectwise from the global platform to deliver lecture-demonstrations; so also various types of workshops and utility of modern technological equipments is arranged by various Companies at this Institute's Conference Hall.

**Major achievements claimed**

i) New surgical techniques and Procedures are being undertaken in cancer patients for studying their functional utility.

ii) All orthodox methods tried for cancer surgery are compared with modern methods, in relation with morbidity, mortality and other qualitative aspects of life.



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iii) The attack against the cancer done by various methods is modified in adjusting dosage of drugs, the dosage of radiation and conservative application of operative work-all these done simultaneously has opened a new era of better results compared to the previous working done separately and applied as and when required.

**Name and Designation of Senior Researchers**

- Dr. B.G. Mulay, Onco Surgeon
- Dr. C.M. Bhave, Onco Radio Therapist
- Dr. Avinash Kulkarni, Onco-Chemo Therapist
- Dr. (Mrs.) Jyotsna Potdar, Gynaec. Onco Surgeon
- Dr. (Miss) Namrata Kulkarni, Gastro Onco Surgeon
- Dr. M.M. Mirashi, Histo-Pathologist.



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# DHARAMASHILA CANCER FOUNDATION AND RESEARCH CENTRE

**Address:**
Vasundhara Enclave,
Delhi-110 096.

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Registered Society |
| Year of establishment | : | 1990 |
| Major objectives | : | To undertake research in the field of oncology and other medical sciences. |
| Initial recognition by DSIR | : | December, 1993 |

## Income and R & D expenditure

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | 68.16 | 44.23 | 76.84 |
| Grants Received | : | 32.00 | 77.00 | 5.00 |
| Other income | : | — | 3.74 | 3.86 |
| *Expenditure on R&D* | | | | |
| • Capital & Recurring | : | 137.59 | 440.71 | 321.77 |
| | : | | | |

## Infrastructural facilities:

Land & Building : Land 2 acres
: Rs. 300 lakhs (Land & Building)

Equipment facilities : Gross Value: Rs. 262.14 lakhs

List of sophisticated equipment :

Cobolt 60 Teletherapy Unit
Treatment Planning System
Mammography Unit, Ultrasound and X-Ray Machines
Blood Cell Seperator
Coulter Hematology Cell Counter
Biochemistry Automatic Analyser, etc.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | (MD/MS) | 13 | 1 |
| | Graduate | — | 2 |

Library facilities : Functional for the last one year. There are plans to update it by subscribing to journals & computerising the literature storage and retrieval services.

**Major achievements claimed:**

- Research papers : Participated in XVI International Cancer Congress and presented papers.
- Seminars/Conferences attended/organised : (i) Synposium on Neadjuant Chemotherapy
(ii) XVI International Cancer Congress of U.I.C.C.



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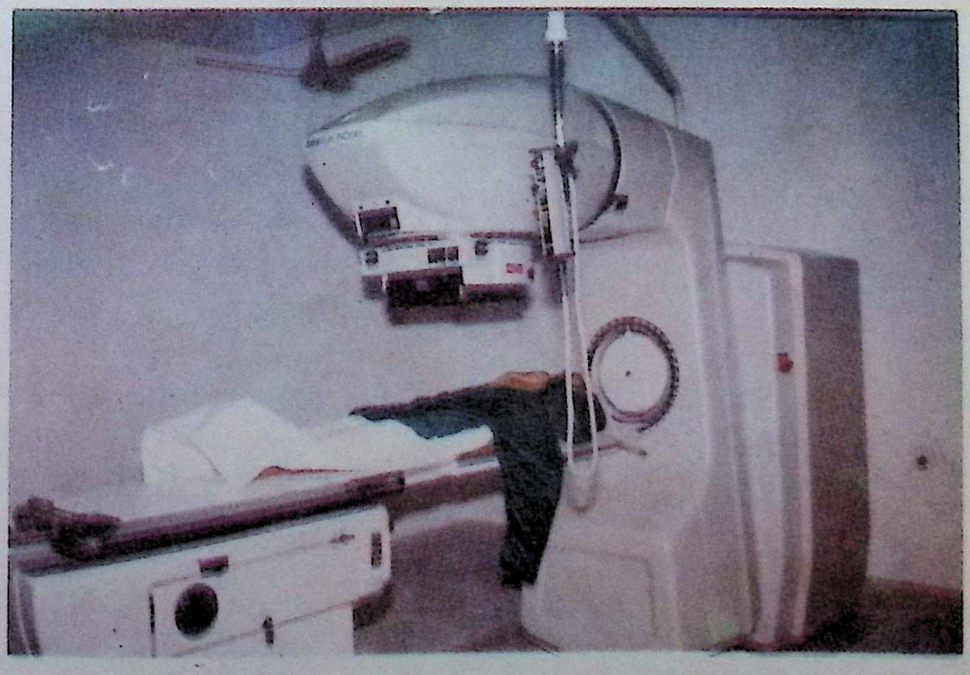
(iii) Anti Cancer Day Celebrations
(iv) Seminar on Cancer Home Care
(v) Quarterly Meeting of Oncologists Group of Delhi
(vi) Monthly meeting of I.M.A., Moradabad
(vii) Monthly meeting of I.M.A., Panipat
(viii) Guest Lecture I.M.A., Karnal
(ix) Monthly meeting of East Delhi Medical Association

- Awards won : First Vijay Gujral Foundation award in September 1992

**Name and Designation of Senior Researchers:**

- Dr. Sneh Bhargava, Consultant and H.O.D. (Radiodiagnosis)
- Dr. (Brig.) S.P. Mehta, Consultant and H.O.D. (Anaesthesiology)
- Dr. J.P. Gupta, Consultant and H.O.D. (Radiotherapy)
- Dr. Anandhi Ranganathan, Consultant and H.O.D. (Medical Oncology)
- Dr. P.K. Halder, Consultant and H.O.D. (Onco Pathology)
- Dr. Rajeev Agarwal, Consultant and H.O.D. (Surgical Oncology)





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# DIABETES FOUNDATION

**Address:**
B-16, Mehrauli Institutional Area,
New Delhi-110 016

## Background

Status of the SIRO : Registered Society

Major objectives :

(i) Clinical service for diabetes care.

(ii) Scientific research in epidemiology, biochemical profile and morbidity related to diabetes.

(iii) Learning source material for education of Diabetics.

(b) Community awareness

(c) Training of para-professionals for providing diabetes care.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income:* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received: | — | — | — |
| Grants Received: | (ICMR) 4.4 | 0.50 | — |
| Other Income | Donation | — | — |
| | Previous balance | 8.5 | — |
| *Expenditure on R&D* | Rs. 5.25 lakhs (1992-93) | | |

## Infrastructural facilities:

Land & Building : Area 490 sq meters.
Equipment facilities : Gross Value: Rs. 25 Lakhs

List of sophisticated equipment :

Ultrasound
Analyzer
Computer
Spectrophotometer
Beta counter.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical. | FRCP, FAMS MBBS BSC | 2 | 1 |

Library facilities : Being created.

## Major achievements claimed:

- The main accomplishments of the Diabetes Foundation (India) can be summarised as follows.

  i) Community awareness programme.

  (Organised at Aurbindo Centre, provision of blood glucose screening test) with facilities of conselling to children with diabetes and their parents).



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ii) Intensive camps for diabetes (Providing comprehensive health check up with educational activities twice a year).

iii) Organisation of scientific conference on theme in diabetic and presentation of clinical projects.

iv) Scientific Research including trials on the indigenous drugs and evaluation of risk factors for cardio-vascular disease in Diabetes.

v) Publication of learning source material for diabetes, contributions to media on diabetes.

- Research papers/reports published : 4
- Seminars/Conferences attended/ Organised : 1-2/year.
- Any other : Books published : 2.

**Name and Designation of Senior Researchers:**

- Dr. M.M.S. Ahuja, Consultant
- Dr. M.G. Karmarkar, Biochemist



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# DIABETES RESEARCH CENTRE FOUNDATION

**Address:**
No. 4, Main Road, Rayapuram,
Madras-600 013.

**Background**

Status of the SIRO : Diabetes Research Centre is a research Institution. It was established in 1972. It is a Postgraduate Institute for the award of Ph.D., degree in Medicine and Biochemistry. M.V. Hospital for Diabetes was established in 1953 & Diabetes Research commenced in 1953, even-though DRC was established formerly in 1972.

Major objectives :
i) Treatment of Diabetes
ii) Prevention of Diabetes
iii) Research in Diabetes, including genetic and epidemiological studies
iv) Collobarating with other Centres of Excellence in Diabetes Research in the formulation of strategies for National and global advancement in the Science of Diabetology.

Major research area :
i) Epidemiological studies in diabetes amongst Indians.
ii) Genetic in studies diabetes in collobaration with London Hospital, U.K. & Karolinska Institute, Sweden.
iii) Studies in Dietary Therapy in Diabetes.
iv) Studies in exercise physiology in Diabetes.
v) Research in Insulin responses amongst various types of diabetes in India.
vi) Studies in diabetic renal disease.
vii) Studies in vascular complications in diabetes.

Initial recognition : 1983

**Income and R & D expenditure**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | 19.71 | 30.77 | 53.33 |
| Grants Received | : | 1.50 | 1.08 | 1.25 |
| Other income | : | 5.08 | 8.15 | 9.37 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.58 | 0.59 | 3.92 |
| • Recurring | : | 10.55 | 8.77 | 10.61 |

**Infrastructural facilities:**

Land & Building : Value : 33.64 lakhs



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List of sophisticated equipment :

— Spectrometer with Cell box
— Dextrometer
— Gamma Counter
— Photo Electric Calorimeter
— Medi Flame - Flame photometer
— Binocular Microscope
— Hetofridge Lab Equipment with Refrigerated shaking Bath
— Reflomat
— Reflotran Instrument with Accessories
— Glucose Analyser
— Insulin Infusion Pump with Accessories
— Automatic Gama Counter — LKB Sweden
— Bio-tech Elisa Reader

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates | 1 | — |
| | Post Graduates | 2 | 2 |
| Social Science & Others | | 20 | 14 |

Library facilities : The Centre has well-equipped library with a large collection of books. Total of more than 1500 authoritative texts and books mostly on diabetics are available. The library has a well organised indexing system under Dewey Decimal Classification. One of the unique features of the library is a seperate re-print section. The library subscribes to all the leading journals on diabetes both international and national, the break up of which is as follows :

(a) International Journals 47

(b) National Journals 40

**Major achievements claimed:**

The Diabetes Research Centre has done pioneering studies in epidemiology of diabetes. The results are enumerated below :

i) Insulin dependent diabetes in the age group below 14 years is 0.26/ 1000, which is not a very low figure, as it has been considered so far. This is the only authentic data available in India.

ii) The prevalence of Gestational Diabetes Mellitus in South Indian Women is found to be 0.56%.

iii) The prevalence of Non-insulin dependent Diabetes Mellitus in Urban areas as high as 8% in 1988. Our recent studies show the prevalance is on the increase and may be around 14-15% in 1995. There is



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significantly low prevalence among rural South Indians. The difference is found to be related to the difference in life style causing higher body mass and upper body adiposity and insulin resistance in urban South Indians.

**Genetic studies on Diabetes:**

These studies have produced some important breakthroughs in the understanding of NIDDM. Family studies and population studies provide strong evidence for a genetic basis for NIDDM. There is a strong familial aggregation fo diabetes among Indians. A major gene together with a number of minor genes influence the development of diabetes. Although no major candidate gene has been identified so far, a number of modifying genes are identified.

**Prevention of Diabetes:**

Individuals with high risk of developing NIDDM were identified from the family history of diabetes. They were advised a prevention programme including dietary prescription and exercise programme. A ten year follow-up of 250 individuals showed very encouraging results. Those who followed the preventive measures had not developed diabetes unlike those who were defaulters.

**Vascular complications of Diabetes in NIDDM in South India:**

The recent analysis from the centre has shown that the vascular complications of diabetes are quite high in Indians also. The commenest complications is retionpathy (24.5%). Coronary heart disease was diagnosed in 12.2%. Another important observation was that in a significant percentage, the complications were present even at diagnosis of diabetes. This implies that diabetes could remain undetected for a number of years without symptoms. This implies that regular screening for diabetes is mandatory.

- Publications:

  Several important findings have been published in International and National journals of repute. In the last three years, the Centre has published 26 papers in International and 11 papers in National journals.

- Conferences and Seminars:

  Staff of the Diabetes Research have participated in many International meetings and workshops on invitation including the 15th International Federation Conference in 1994. In addition to this they have also participated in more than 30 national meetings and CME programme. In addition to these, the Centre has conducted 5 seminars on different aspects of diabetes in Madras.

**Names of five Senior Researchers:**

- Prof. M. Viswanathan
- Dr. A. Ramachandran
- Dr. Vijay Vishwanathan
- Dr. C. Snehlatha
- Mrs. Shobhana Ramachandran



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# DIVYAJOT AYURVEDIC RESEARCH FOUNDATION

**Address:**
Shree Shree Maa Anantanand
Ashram 'Divyadham' P.O. Vahelal,
TA. Daskroi,
Ahmedabad 382 325.

## Background

Status of the SIRO : Registered Charitable Trust

Year of establishment : September, 1985

Major objectives :

i) Through research, establish ayurvedic medicines for the treatment of cancer, cardiac, kidney, diabetes and other complicated diseases.
ii) Define anti-cancer properties of herbs through tissue culture technology.
iii) Cultivate herbs of medicinal value from the Himalayas and other parts of India for providing fresh medicines.
iv) Integrate ayurvedic treatment with other treatments.
v) Develop a 'Gau-Shala' for private fresh milk, 'Gau-Mutra', 'Ghee' and 'Gobar' for their medicinal value.
vi) Define a Holistic approach to the patient.
vii) Prevent physical ailments on the principles layed down by Ayurveda.
viii) Start cancer awareness and prevention programmes on a rural basis.
ix) Design and promote harmless Ayurvedic cigarettes, masalas and tea for addicts.

Major research areas:

i) Establish Ayurvedic medicines for the treatment of cancer, cardiac, kidney, diabetes and other complicated diseases.
ii) Define anti-cancer properties of herbs through tissue culture technology.
iii) Formulate new combinations to make a known medicine more potent, thus reducing its daily requirements.

Initial recognition by DSIR : November, 1991

## Income and R & D expenditure:

(Rs. in lakhs)

| *Income:* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received: | 5.26 | 13.07 | 22.17 |
| Grants Received: | Nil | Nil | Nil |
| Other Income | Nil | 0.29 | 0.65 |
| *Expenditure on R&D* | | | |
| • Capital | 6.05 | 6.77 | 9.07 |
| • Recurring | 11.72 | 23.57 | 24.28 |

## Infrastructural facilities:

Land & Building Area : 11 acres Value:11 Lakhs
Equipment facilities : Gross Value: Rs. 8 Lakhs

List of sophisticated equipment :

— Video Cameras
— Television
— Video Cassette Recorder



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— Cassette Duplicator
— Panchkarma Equipment
— Pathology Laboratory Instruments

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates/PostGradates/ Graduates/others | 8 | 22 |
| Social Sciences & Others | Engineers, Industrialists Lawyers & Businessmen | 5 | 12 |

Library facilities : i) Original Ayurvedic treaties on various diseases by His Holiness Rev. Gurudev.

ii) Complete sets of Ayurvedic texts like Charakh Samhita, Shushruta, Vaghbhata, Aryabhishek, Madhavnidan, Rasa Tantra Saar, Yoga Ratnakar, Bhaishak Samhita and various other classics and periodicals.

iii) Audio video cassettes.

**Major achievements claimed:**

- New Techniques/methodologies developed and implemented.

i) Development of Arbud Kwath for use in all types of cancers.

ii) Development of Arbud Ras and Nag course for reducing the tumour size.

iii) Development of Arbud Sar for Liver and Urinary tract cancers.

iv) Cultivation of over 200 medicinal plants for providing fresh, quality controlled medicines and self-reliance.

- Research papers/reports published 4
- Seminars/Conferences attended/Organized.

i) Attented of 8th In House R&D Conference at New Delhi.

ii) Organization of Ayurvedic, Accupressure, Meditation and Yoga Seminars at various places like Bhavnagar, Dharmaj, Jamnagar, Rajkot, Nadiad, etc.

iii) Organization of training coureses for Ayurvedic practitioners.

- Any Other : Visit to Saurashtra coastal area, Girnal, Mount Abu, Himalayas, Himachal Pradesh, Aravalli and Kutch for procuring mediclinal plants useful in treatment of cancer, cardiac, renal problems.

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**Name and Designation of five Senior Researchers:**

- Shree Maa Anantanand Tirth : President of Research Council.
- Dr. R.K. Shah, Co-ordinator
- Dr. K.C. Shah, Director Surgery
- Vaidya Tapan Kumar, Director Panchkarma and Medicine
- Dr. O.P. Saxena, Director Tissue Culture and Botany.



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# DR. BABA SAHEB AMBEDKAR MEDICAL RESEARCH SOCIETY

**Address:**
C/o Dr. Hedgewar Hospital,
"Sindhuteer", Bhagyanagar,
Aurangabad-431 001 (M.S.)

## Background

Status of the SIRO : Registered Public Trust

Year of establishment : June, 1991

Major research areas : Clinical Medicine, Preventive and Social medicine.

Initial recognition by DSIR : February, 1995

## Income and R & D expenditure

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | Nil | 0.14 | 1.95 |
| Grants Received | : | Nil | Nil | Nil |
| Other income | : | 0.10 | Nil | Nil |
| *Expenditure on R&D* | | Nil | 0.17 | 1.88 |
| • Capital Recurring | : | Nil | Nil | Nil |
| • Recurring | : | Nil | Nil | Nil |

## Infrastructural facilities:

Land & Building :

i) Built up Area of Dr. Hedgewar Hospital : 1500 sq. ft.

ii) Built up Area of Affiliated Hospital: 20,000 sq. ft.

iii) Purchase Value of total Hospital: Rs. 90.00 lakhs (1993)

List of sophisticated equipment :

— 2-D Echocardiography
— Fibre-optic gastroduodenoscope
— Aerosol Therapy unit
— Cysto Resectoscope
— Rigid bronchoscopes
— Incubator for neonates
— Kerotometer
— Indirect opthalmoscope
— Phototherapy unit
— 2-D Sonography unit
— Foetal Doppler
— E.C.G. Monitor with Defibrillator
— 300 mA multipurpose X-Ray machine
— Double Puncture laparoscope



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— Well equipped pathology lab having.
  a) Semi analyser
  b) Flame Photometer
  c) Nephlometer
  d) Binocular microscope

— Fully equipped F.D.A. recognized blood bank having.
  a) Automated BHIP ELISA READER along with automated plate washer.
  b) Blood Bank Refrigrators (Cold storage)
  c) Incubator

— Computer for data processing.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates in subjects of Medical Sciences | 5 | 1 |
| Social Sciences and Other | Graduate of Commerceforenity | 4 | — |

Library facilities : i) Textbooks of Medical subjects.
ii) Reference books of Medical subjects.
iii) Indian Journals of Medical subjects.
iv) Foreign Journals of Medical subjects.

**Major achievements claimed**

- New Techniques/Methodologies developed and implemented—
  i) Abhishek Therapy for general surgery.
  ii) Antiseptic and aseptic precautions for routine surgery.
  iii) Psyschiatric consultation as an investigating tool in chronic abdomnal pain.
- Research papers/reports presented at faculty conferences:
  i) Obstructive Anuria.
  ii) Giant ureteric calculus a case report presented in Zonal Urology conferences.
- Seminars/Conferences Attended/Organized
  i) Urethroplasty workshop.
  ii) 10 lectures by eminent personalities in medical field.
  iii) Workshop on "Trasfusion Medicine".



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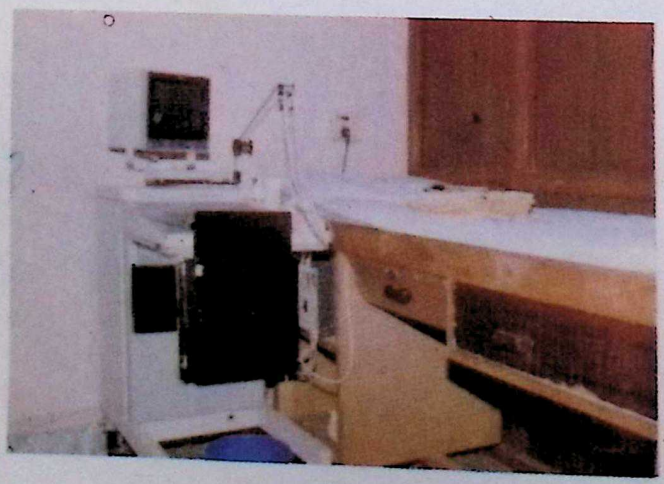
**Name and Designation of Senior Researchers:**

- Dr. N.D. Kulkarni, Consulting Surgeon
- Dr. S.G. Saoji, Consulting Psychiatrist
- Dr. V.R. Ratnaparkhe, Consulting Physician
- Dr. R.H. Kshirsagar, Consulting Radiologist & Sonologist
- Dr. Mrs. Ratnaparkhe, Consuling Paediatrician

Fibro-Optic Gastroduodenoscope



2-D Ultrasonography Unit



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# DR. JIVRAJ MEHTA SMARAK HEALTH FOUNDATION, BAKERI MEDICAL RESEARCH CENTRE

**Address:**
"Arogyadham", Near
Ayojannagar, Post Paldi,
Ahmedabad-380 007.

## Background

Status of the SIRO : Registered Society

Year of establishment : October, 1995

Major objectives : To undertake Research projects at Research Centre premises and Field projects. At present more than 18 Projects are on hand.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | 0.12 | 0.027 | 0.050 |
| Grants received | : | Nil | Nil | Nil |
| Other Income | : | 0.041 | 0.052 | 0.058 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.079 | 0.067 | - |
| • Recurring | : | 0.066 | 0.072 | 0.10 |

## Infrastructural facilities

Land & Building : Land: 17842 Sq.Mtrs. provided by Local Muni. Corp. on Lease hold Annual Rent of Rs. 101/-only

Building: Built Up Area: 891059 mtrs, Value: Rs. 284.5 Lakhs

Equipment facilities : Gross Value: Rs. 99.40 Lakhs

List of sophisticated equipment :

— 60 MA Mobile X'Ray Machines
— Trade Mill
— Color Doppler
— Monitors with Bed Sude Monitors
— B.M. 4030 For Biochemistry (Laboratory)
— Computers
— Ventilator (Respirator)
— E.E.G. Machine
— E.C.T. Machine

R & D Manpower

| Qualification | Full time | Part time |
|---|---|---|
| Science & Technical | 82 | 6 |
| Others | 92 | 1 |



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Library facilities : Various Medical Journals are being subscribed.

**Major achievements claimed**

- Seminars/Conferences attended : Monthly clinical meetings are being organised

**Name and Designation of Senior Researchers**

- Dr. D.R. Kothari, Medical Supdt.
- Dr. V.C. Shah, Eminent Scienctist & Ex. Vice Chancellor, Baroda Uni.
- Dr. Mrs. A.B. Desai, Senior Consulting Paediatrician
- Dr. Tarun H. Dave, Cardiologist
- Dr. Viraj Patel, Consulting Paediatrician
- Dr. Jayashree Shukla, Pathologist
- Dr. Mrs. Nilima V. Naik, Research Co-Ordinator
- Dr. Premal Thakore, Endocrinologist



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# ESCORTS HEART INSTITUTE AND RESEARCH CENTRE

**Address:**
Okhla Road,
New Delhi-110 025

## Background

Status of the SIRO : EHIRC (Escorts Heart Institute and Research Centre) has been registered under the Societies Registration Act, XXI of 1860 on October 21, 1981.

Year of establishment : 1988

Major objectives : To conduct research in the areas of cordiovascular disease and disorders encompassing:

Prevention of cardiovascular diseases;
Detection of such disorders in very early stages of pathogenesis;
Restorative treatment, both medical and surgical; and
Rehabilitation to the maximum physical, psychological and socio-economic level where complete recovery is not attainable.

Initial recognition as SIRO : June, 1981

## Income and R & D expenditure:

*(Rs. in lakhs)*

| *Income:* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received: | 31.25 | 4.05 | 3.27 |
| Grants Received | — | — | — |
| Other Income | 2854.59 | 3614.42 | 4233.96 |
| *Expenditure on R&D* | | | |
| • Capital: | 992.22 | 536.63 | 1036.47 |
| • Recurring: | 1895.24 | 2422.58 | 2899.24 |

## Infrastructural facilities:

Land & Building : : Area 115652 Sq. ft., Value Rs .1156.31 Lakhs

Equipment facilities : : Gross Value : Rs. 2822.18 Lakhs

List of sophisticated equipment :

The Centre is well equipped with sophisticated instruments such as block cell counter, Autoanalyser, CT-Scan, Intra-aortic Balloon pump system, Stress test system, Blood Gas Analyser, Digital Telemetry System, Gamna Camera System, Mobile X-ray unit, Heart Laser (TMR), Cardiac Angioscopy equipment and a host of other sophisticated facilites.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical : | Doctors (Post Graduate) | 185 | 3 |
| Social Sciences and others | — | 78 | — |

Library facilities : : Books: 460;
: International journals: 28;
: Indian journals: 2.



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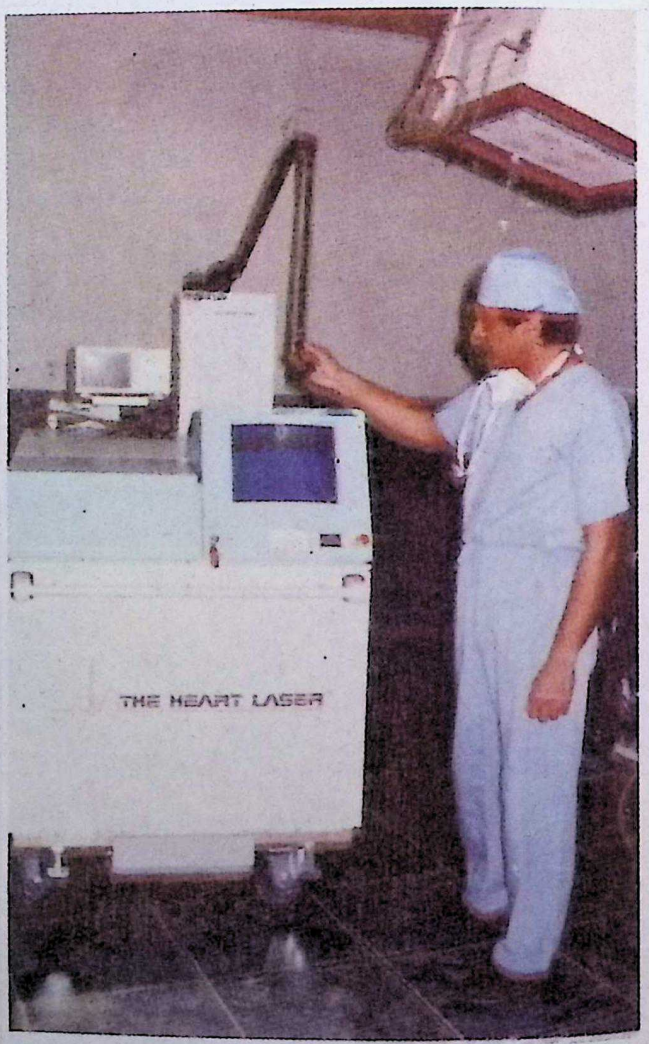
**Major achievements claimed (1992-95):**

| | | |
|---|---|---|
| Paper Presented | : | 175 |
| Paper Published | : | 87 |
| Chapters/Books Published | : | 17 |
| Meetings, Seminars and Guest Lectures organised by EHIRC | : | 52 |
| Education and Training | : | 40 |
| Honours and Awards | : | 38 |
| Multicentre Studies | : | 7 |

**Name and Designation of Senior Researchers:**

- Dr. Naresh Trehan, Executive Director
- Dr. M.L. Bhatia, Medical Director
- Dr. Yatin Mehta, Senior Consultant
- Dr. Ashok Seth, Senior Consultant
- Dr. R.R. Kasliwal, Senior Consultant




The Heart Laser



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# F.I.A.M.C. BIO-MEDICAL ETHICS CENTRE

**Address:**
St. Plus College, Aarey Road,
Goregaon (E),
Bombay-400 063.

## Background

Year of establishment : 1981

Major objectives :

(i) The study and promotion of Bio-Medical Ethics.

(ii) To conduct and encourage research in the various disciplines that contribute to the determination of policies in the field of ethics in general, and in bio-medical ethics in particular as regards life, health, disease, death, family planning, etc.

Major research areas :

Sensitive areas of Bio-Medical Ethics, Organ Transplantation, In-vitro Fertilisation, Abortion, Family Planning, Brain death etc.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 1.41 | 1.07 | 1.42 |
| Grants received | Nil | Nil | Nil |
| Other income | 3.97 | 1.14 | 3.22 |
| *Expenditure on R & D* | 5.38 | 2.21 | 3.01 |
| • Capital | Nil | 0.18 | Nil |
| • Recurring | 5.38 | 2.03 | 3.01 |

## Infrastructural facilities

Land & Building : Land: 1,590 sq. mts. Building under Construction

Equipment facilities : Gross Value : Rs. 0.75 lakhs

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Science & Technical | Medical Doctors & Scientists | 1 | 3 |
| Others | Graduates | 2 | — |

## Major achievements claimed

- Research papers/Reports Published : 9
- Seminars/Conference attended/organised : Arranged : 2
  : Attended : 3



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**Name and Designation of Senior Researchers:**

- Dr. C.J. Vas, Managing Trustee Neurologist
- Dr. (Mrs.) J. Trivedi, Ex-Vice Chancellor S.N.D.T. University
- Prof. F. Fernandes, Ex Research Director Ciba Geigy Ltd.
- Dr. N.H. Wadia, Neurologist
- Dr. E.J. de Souza, Executive Director



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# FREE POLIO SURGICAL AND RESEARCH FOUNDATION

**Address:**
15-3-17, Chandini, M.R. Peta,
Visakhapatnam-530 002.

## Background

Status of the SIR : Registered Society

Year of establishment : April, 1994

Major research areas : Improvements in Operational Procedures & Improvements in Artificial Limbs.

Date of initial recognition by DSIR. : June, 1995

## Income and expenditure

(Rs. in lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* | | | |
| Donations received | Nil | Nil | 42.03 |
| Grants received | Nil | Nil | Nil |
| Other Income | Nil | Nil | Nil |
| *Expenditure R&D* | | | |
| • Capital | Nil | Nil | 41.6 |
| • Recurring | Nil | Nil | 0.43 |

## Infrastructural facilities

Land & Buildings : At present the building and land at R.C.D. Hospital are being utilised.

Equipment facilities : Value: More than Rs. 5 lakhs.

— List of sophisticated equipment

— Ilizarov Limb Lengthening Equipment

— Total Knee replacement equipment

— Total Hip replacement equipment

| R & D Manpower | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | All Post Graduates | 1 | 4 |

## Major achievements claimed

- New Techniques/methodologies developed and implemented.
  (i) P.A.O (Supracondular Posterior Angulation Osteotomy of Femur.)

  Hitherto Polio patients with the deformity are walking with *Hand to Knee Gait* After this innovative operative by the foundation:

  . the patients are able to walk Straight without hand on the Knee,

  . . by this method, the patients are conserving energy.

  (ii) A.A.O. (Supracondular Anterior Angulation Osteotomy of Femur) Genurecurvatum.



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This operation is performed where the Knee joint is bending backwards. After this operation the patient can walk straight.

(iii) Foot-drop with orthodesis:

Anckle + triple orthodesis:

With the operation we give a good strength and making the patient free high steps and circumspection bend.

With the above mentioned few procedures, the patients improve functionally better with bio-mechanism, conserves energy with reduced strain and functionally cosmetically improves personality and self-confidence.

(iv) Artificial Limbs: Below Knee, Above Knee, Calipers and Crutches are being improved by minimising the expenditure with better utilisation.

- Research papers/reports published. Nil
- Any other : It is a continuous process of surgery to Polio patient, providing artificial limbs and make them mobile and independent.

**Name and Designation of Senior Researchers.**

- Dr. S. V. Adinarayana Rao, M.S. (Ortho), Prof. of Orthopaedics.
- Dr. J Narayana Murthy, M.D (Anaes), Prof. of Anaesthesiology.
- Dr. S. David Raju, M.S. (Ortho), Asst. Prof. of Orthopaedics.
- Prof. V.V. Sarma, M.e., A.U. Engineering College, Andhra University, Waltair.
- Dr. A. Bapiraju, MBBS, Research Organiser.



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# GANDHI MEMORIAL LEPROSY FOUNDATION

**Address:**
Post Hindinagar,
Wardha-442 103
(Maharashtra)

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 6.35 | 0.86 | 5.82 |
| Grants received | 27.32 | 27.16 | 20.87 |
| Other income | 14.62 | 9.10 | 12.46 |
| *Expenditure on R & D* | | | |
| • Capital | 4.71 | 0.42 | 2.53 |
| • Recurring | 48.13 | 48.29 | 44.32 |

## Infrastructural facilities

Land & Building : value : Rs. 34.14 lakhs

Equipment facilities : Gross Value : Rs. 12.26 Lakhs

List of sophisticated equipment :

Computers, Printers and Photocopier Machine

R & D Manpower : 6

Library facilities : Total number of books-3,367
Total number of journals-83

## Major achievements claimed :

- Research papers publisehd : 9
- Reports Published : 4
- Seminars/Conferences attended/Organised : 14

(i) Presented a paper "Community Awareness about leprosy Eradication services: A Study in Andhra Pradesh and Orissa" at XVI Indian Social Science Congress held at Pune University, Pune from 20-24 December, 1991.

(ii) A paper "Social inequality and Leprosy" was presente at XVIII Indian Social Science Congress held at M.S. University, Baroda from 12-16 November 1994.

(iii) A paper "Problems and Coping strategies of families with deformed and non-deformed leprosy patients" was accepted for oral presentation at International Leprosy Congress held at Orlando in 1993 but could not present it due to non-availability of sponsorship.

(iv) Organised a workshop on "Qualitative Research Methods" from 21-28 June 1993, with the help of Prof R.K. Mutatkar, Pune for the benefit of faculty members of the centre.

- Awards Won :

(i) The former Director was felicited by "MANAV MITRA" Award by Bharat Sevashram Sangh, Jamshedpur on 5th February 1993.



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(ii) The Honorary Director Shri D.S. Wele has been awarded for his contribution in social aspect of leprosy by Siri Ram Washeshran Devi Bhatia Memorial Charitable Trust, New Delhi, in 1992.



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# GOA CANCER SOCIETY

**Address:**
Dr. E. Gorges Road,
Dona Paula,
Goa 403 004

## Background

Status of the SIRO : Registered Society

Year of establishment : 1977

Major research areas : Cance control, Cancer prevention, Education

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 0.4 | 1.9 | 3.0 |
| Grants received | 3.4 | 1.0 | 3.3 |
| Other income | | | |
| *Expenditure on R & D* | | | |
| • Capital | Nil | Nil | Nil |
| • Recurring | 4.8 | 4.3 | 4.3 |

## Infrastructural facilities

Equipment facilities : Gross value : Rs. 1.00 Lakhs

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | | 4 | 4 |

## Major achievement claimed

- Research paper/Reports published : Produced the final report of the project funded by Indian Council of Medical Research, "Assessment of the Efficacy of an anti-tobacco community Education Programme" (1986-92).

  Publisher of a journal "TOBACCO CONTROL, SAARC Edition" (A Quarterly Journal)

- Seminars/Conferences Workshops attended/organised : Conferences attended :

  1. Ninth World Conference on Tobacco or Health, Paris 10-14 Oct. 94
  2. International Association of Cancer Registries, Bangalore, 25-28 Oct. 94
  3. International Cancer Congress, New Delhi, 29 Oct. to 3 Nov. 1994

  Workshop attended :

  1. A Workshop on "Tobacco Control" in Goa, 2 to 4 April, 1993, attended by 44 NGO's.



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2. A Workshop on "Tobacco Control Advocacy," in Indore, 12-14 Feb. 95 attended by 30 participants organised jointly with Cancer Cae Trust & Resarch Foundation, Indore

**Name and Designation of five Senior Researchers :**

- Dr. S.G. Vaidya, Hon. Secretary, Surgeon
- Dr. S.B. Shetye, Vice President, Orthodontist
- Dr. D.S. Bhonsley, Hon. Treasurer, Epidemiologist, Social Activist
- Dr. (Mrs.) Nirmala Vaidya, Medical Practitioner.
- Dr. U.D. Naik, Research Officer



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# HARILAL JECHAND DOSHI MEDICAL RESEARCH FOUNDATION

**Address:**
Malaviyanagar, Off: Gondal Road,
Rajkot-360 004

## Background

Status of the SIRD : Registered Society

Year of establishment : April, 1985

Major objectives

(i) To cause advancement of Medical Science, Medical Techniques by conducting Researches, study and establishing/supporting Research Centres, Laboratories and other Research Institutions:

(ii) To conduct Research in Medical Science of various ailments, their causes and investigations into the incidence, distribution, pathogenesis, symptomology and various other factors for prevention and methos of treatment;

(iii) To conduct experiments, investigations, studies, and Research with a view to improving, developing and evolving better and effective therapy, techniques, and methods of diagnosis in the various branches of medical science:

## Income and R&D expenditure

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | 12.50 | 2.50 | 27.50 |
| Grants Received & Sources of Income (Other income) | : | 5.96 | 5.40 | 1.38 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 10.94 | 10.30 | 21.47 |
| • Recurring | : | 17.25 | 19.30 | 7.18 |

## Infrastructural facilities:

Equipment facilities : Gross Value: Rs. 56.62 lakhs

List of sophisticated equipment:

— Fiberoptic Endoscopic Equipment Cysto-Resectoscope Set:
— SKY-2000 Dental Chair Mount with Accessories
— Zeiss Manual Operation Microscope (Surg.) APMI-FC for Ophthalmic Surgery:
— Drack Willock Haemodialysis Machine
— Olympus CF-Type-P20I OES-Colono Fiberscope Standard Set
— Olympus OES-Gastrointestinal Fiberoptic Endoscope-Model-CIF-XQ-20 Standard set:
— ERMA (Japan) Automatic Computerised Blood Cell Counter
— AVL-990 PH Blood Gas Analyser
— ALOKA Ultrasound Scanner

R & D Manpower : 28

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Library facilities:

The Foundation Possess Library in the Hospital and contribute towards various Journals and Books.

**Major achievements claimed**

i) The incidence of Urolithiasis is extremely high with consequent Renal Failure. In cases of end-stage Chronic Renal Failure, Renal Transplant is the only solution. 2 Renal Transplant were carried out. The Project has been undertaken to detect the incident of Chronic Renal Failure in Saurashtra.

ii) The incidence of AIDS is increasing. To prevent AIDS a vigorous programme of Mass Awareness and Education has been undertaking and high risk group has been targeted. Similar programmes for School and College Students, Hospital Staff, Factory Workers, have also been conducted about the incidence and prevention of AIDS. Question-Answer Session, Video Shows, Posters, Exhibitions were also organised to prevent AIDS.

iii) The Survey of School Children living in Boarding Schools for the incidence of Skin Diseases has been carried out and thereby increasing Mass Awareness among Students & Teachers to reduce the incidence of such diseases.

iv) 128 cases of (PUO) Pyrexia of Unknown Origin were studied and Sera was collected and sent for testing at National Institute of Virology, Pune. In 80% cases, the Sera Showed increased titre of antibodies.

v) The Project on Family Planning was undertaking and 200 cases were studied, thereby generating increased Awareness about Family Planning Methods in the population.

vi) Project on Comparative Study of various methods for Obstetric Analgesia and use of Ketamin for painless labour was undertaken.

vii) A Study on adverse effects of environment on Skin has been undertaken and the project is till going on. Another project on Therapeutic Evaluation of Interferon Alpha-2B in Recurrent Herpes Progenitalis due to HSV-2 has been undertaken. 90% of the cases become asymptomatic after giving Interferon Alpha-2B for 9 months. 5% had mild recurrence.

viii) A Study on Resistance to Chloroquine in cases of Plasmodium Falciparum has been undertaken. This study is still going on.

ix) Study of Beta Thalassaemia Minor Screening in College Students and Study of Nestroft and Red Cell Indices by Cell counter was undertaken. Total 148 studients were screened for Beta Thalassaemia trait with Nestroft as well as Cell Counter Indices Method. Out of 148, 30 students were positive and 118 students were negative for Beta Thalassaemia Trait.

- Research Papers/Reports Published:

  Hospital Bulletin of H.J. Doshi Medical Research Foundation book and on AIDS.

- Award Won:

  The Lok Mela Committee headed by District Collector of Rajkot District and adopted a new approach this year of awarding eminent personalities in fields like social services medical research activities, music, art etc. A Senior member of Indian Association of dermatologists, Venereologists, and Leprologists of Gujarat State has been honoured by giving him 'Letter of Falicitation'.



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- Any other: Transfer here

DIAGNOSTIC CAMPS:—The following Camps were organised by H.J. Doshi Medical Research Foundation:—

a) A Camp was held at St. Mary's School, Rajkot on 3rd July, 1994 in collaboration with Brahma Samaj, Rajkot. Total 142 patients were examined.

b) A Skin Camp was held at Patel Boarding, Rajkot on 13th December, 1994. Total 107 cases were examined.

c) A Free Diagnostic Camp was held at Devachadi on 8th January, 1995 in collaboration with Lions Club, Gondal. Total 925 patients were examined.

d) A Free Diagnostic Camp was held at Kuvadva Dist-Rajkot on 12th February, 1995. Total 472 patients were examined.

e) Following work done in epidemic of Plague at Surat:

i) Mass Awareness Programme and Educational Programme to the Villagers, Industrial Workers and the population of Slum areas regarding prevention. 5,000 pamlets were distributed. Boards, and Banners on method of prevention were displayed.

ii) Medical Camps were organised in the village and slum areas. The Clinical Examination of the patients coming from Surat and suspected cases were sent to Civil Hospital for Laboratory investigation. The work was appreciated by the Collector of Rajkot District.

**Names of five Senior Researches**

- Dr. Suresh P. Joshipura, Hony. Dermatologist and Director of Research (I/c)
- Dr. S.T. Hemani, Hony. General Surgeon
- Dr. Subodh D. Nanavati, Hony Oral and Facio Maxillary Surgeon,
- Dr. A.K. Maru, Hony Orthopaedic Surgeon:



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# HASTIMAL SANCHETI RESEARCH FOUNDATION

**Address:**
16, Shivajinagar,
Pune-411 005

**Background :**

Status of the SIRO : Registered under Societies Act 1860 No. Mah/1682/84/PUNE under the Bombay Trust Act 1950 No. F/2762/ Pune

Year of establishment : 1985

Major objectives : To undertake scientific research in the biomedical sciences, technology, rehabilitation, primary health care services, development of formal and informal education.

Major research areas :
(i) Orthopaedics
(ii) Traumatology
(iii) Rehabilitation
(iv) Physical disability
(v) Limb Reconstrution
(vi) Total Joint Replacement
(vii) Sports Medicine-Sports injuries
(viii) Bone and Joint Disorders
(ix) Post Polio Paralysis

**Income and R & D expenditure :**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 5.15 | 0.23 | 1.19 |
| Grants received | — | — | — |
| Other income | — | — | — |
| *Expenditure on R & D* | — | — | — |
| • Capital | — | — | — |
| • Recurring | 5.27 | 9.59 | 018 |

**Infrastructural facilities**

Land & Building : Rented accommodation in Hastimal Sancheti Memorial Trust Building : Area : About 15,000 sq. ft.

Equipment facilities : Gross Value : Rs. 54.5 lacs

List of sophisticated equipment :

— Total Knee/hip/elbow joint replacement instrumentation
— Arthroscopy surgery equipment
— Intensive care, resuscitation equipment (ventilators, monitors)
— Laminar airflow systems for dust control and air conditioning in operation theatres.



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R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates | — | — |
| | Post Graduates | — | 1 |
| | Doctor | 2 | 4 |

Library facilities

(i) Fully equipped library containing latest editions of books : Orthopaedics, Traumatology, Hospital Management.

(ii) 9 Foreign Journals on Orthopaedics and related subjects are subscribed.

**Major achievements claimed :**

- Technologies Developed :

(i) Total Joint Replacement Research :

Research in designing indigenous implants and instrumentation System for Joint Replacement Surgery for hip and knee joints.

Close association with implant manufacturing industry— Instruments Orthopaedics — Bombay and Manman-Pune, hence indigenisation of technology on going development of instruments, implants and prosthesis.

(ii) Epidemiological study of orthopaedic disabilities and deformities in children in rural areas of Maharashtra and Madhya Pradesh and their management. Over 200 free diagnostic and operative camps held in rural areas. Over 10,000 free operations on polio affected children.

(iii) Research and development of indigenous ring fixateur "SAN FIXATOR" for management of compound fractures of long bones and leg lengthening procedures.

(iv) Developed modified techniques of closed nailing of fracture of tibia-femur by using special interlocking nails.

(v) Elbow arthrolysis in fibrous ankylosis of elbow joints to restore function and reduce disabilities

(vi) Arthroscopic biopsy in chronic inflamatory arthroplathy of knee joints.

(vii) High tibial osteotomy with internal fixateur technique to alleviate pain and deformity in osteoarthritis of knee joints.

- Research Papers/Reports published : 2 (1992) & 1 (1993)
- Seminars/Conferences organised :

(i) National workshop on application of Micro-surgical techniques in orthopaedics and traumatology.

(ii) Seminar on Ramma Nails (Internal fixation of difficult fractures)

(iii) Total Joint Replacement—Workshop Dr. C.S. Ranawat, Professor of Orthopaedics, Hospital for Special Surgery, New York, conducted the conference.

(iv) Free Rheumatic and other Joint Disease camps every month.

(v) Free diagnostic and operative camps for handicapped children.

(vi) Free palstic surgery camps.



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**Names of Senior Researchers :**

- Dr. (Lt. Col.) S.P. Jyoti, VSM (Retd.)
- Dr. Rajendra Bahaley
- Dr. K.H. Sancheti
- Dr. Rajeev Joshi
- Dr. Parag Sancheti



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# HEART FOUNDATION AND RESEARCH INSTITUTE

**Address:**
C-11, Silver Arc,
Nr. Gujarat College Rly. Crossing,
Ellis Bridge,
Ahmedabad-380 006.

## Background

Status of the SIRO : Registered Society

Year of establishment : 1979

Major research areas : Coronary Heart Disease in Textile Industries Workers of Ahmedabad and Chemicals Workers of Rural area.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 0.65 | 2.50 | 1.25 |
| Grants received | Nil | Nil | Nil |
| Other income | 2.35 | 0.50 | 0.69 |
| *Expenditure on R & D* | | | |
| • Capital | Nil | 0.57 | 0.42 |
| • Recurring | 1.68 | 3.34 | 3.99 |

## Infrastructural facilities

Land & Building : Land acquired at Vejalpur admeasuring 8000 Sq. Yards having market value of Rs. 1 crore 20 lacs.

Building at Vejalpur are under construction and invested Rs. 3 lacs.

Building at 'D' Block Silver Arc area mezannine floor 6000 sq. ft. having market value of Rs. 1 crore.

Equipment facilities : Gross Value : Rs. 1.74 Lakhs.

List of sophisticated equipment :

— Treadmill Equipments
— San-El Medi. Ele.
— DMS 600 Defribrilator with Monitor
— Medical Instruments

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Medical Post Graduates | 2 | 5 |
| Social Sciences & Others | | 1 | 2 |

## Major achievements claimed :

(i) *Study of Coronary Heart diesase in Textile Industrial Workers of Ahmedabad:* It is a unique Research cum Service project in which



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on an average 20 workers of a Textile Mill are examined daily in detail by qualified and well trained physicians according to proforma approved by ICMR. By now 1800 workers in a Textile Mill (Urban) have been examined and 100 workers in a chemical factory at Porbandar (Rural area). Major risk factors for coronary heart disease revealed in this study are 'bidi' smoking and alcoholism. Follow up services are provided at Arvind Lalbhai Nidan Kendra which includes deaddiction programme, dietary advice, exercise programme and drugs prescribed as and when needed.

(ii) Arvind Lalbhai Nidan Kendra provides follow-up health care services twice a week to above workers and their relatives at nominal charge. General physicians, Cardiologists, Diabetologists, Ophthalmologist, Nephrologists and Neurophysicians render their services as and when needed. Laboratory services, Radiological investigations like Treadmill Exercise and Echocardiography are also done at concessional rates in deserving cases.

(iii) *Rural health services*: Diagnostic cum health education camps are organized in adopted rural area near our proposed heart & diabetes hospital. Health survey of nearby village Mahmadpura by a trained female Health Worker was done followed by one diagnostic camp. About 600 patients were examined by different specialists free of charge and medicines were also given free. Future programme will be planned according to data collected.

(iv) *Health Education*: It is being continuously done during health survey with help of charts, posters, slides etc. Basic knowledge about health care is imparted to women, mothers, youths, teachers, etc. in simple easily to understand local language.

(v) *Heart & Diabetic Self-Care Foundation*: Ischaemic Heart disease and Diabetes are life long problems. continuous education of patients and their relatives is essential to achieve optimum level of health at cost which they afford in long run. There is hardly any research on educational methods suited to our culture and social atmosphere to accomplish this task.

"Heart & Diabetic Self-Care Foundation" is established to accomplish this task. It is a unique research cum service organization dedicated to self-care of Diabetic and Cardiac patients with following objectives in heart and diabetes management:

1) Patients's Education Programme

2) Training in Self-Care

3) Detection of undiagnosed patients

4) Creating public awareness

5) Collection and dissemination of information

6) Information about specialized treatment

7) Evaluation of Indigenous treatment.

Regular monthly meeting are held and various specialists impart education by group discussion, lectures, audio-visual presentation on various aspects of heart and diabetic care. Information on suitable recipe is also given by a qualified dietician.



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## Name and Designation of Senior Researchers

- Dr. Sumant M. Shah, Senior Investigator
- Dr. Nitin S. Shah, Investigator
- Dr. Hasmukh C. Mehta, Co-Investigator
- Dr. C. I. Jhala, Co-Investigator
- Dr. Apurva Madia, Co-Investigator
- Dr. J.D. Dafda, Co-Investigator

4095/DSIR-W II-11A



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# HIMALAYAN INSTITUTE HOSPITAL TRUST

**Address:**
113/89, Swaroopnagar,
Kanpur-208 001

**Background**

Status of the SIRO : Registered Trust

Year of establishment : 1989

Major objectives :

(i) Provide Public health education and public health measures including immunization, adequate food, effective sanitation, and clean water;

(ii) Provide additional emergency care resources and hospital beds at a primary and secondary care level;

(iii) Provide adequte health care facilities for thousands of sadhus and renunciates in holy places as Rishikesh and Hardwar and the entire Himalayan region.

(iv) Provide Subspeciality referral for the surrounding clinics and facilities, particulary in oncology, cardiology, respiratory illnesses, paediatrics and dermatology.

(v) HIHT will establish the resources and facilitie appropriate for an institution of national and international scope. The hospital will have state of art facilities to bring the latest in modern medical technology and techniques. The research and educational programmes will emphasize worldwide collaboration and exchange, supported by extensive library and communications facilities.

(vi) HIHT plans a new medical college to educate medical students and physicians to provide health care for rural regions. This medical college, the Himalayan Institute of Medical Sciences (HIMS) /is already under construction and will be completed by the end of July, 1995.

Major research areas :

(i) Prevalence of cancer screening, prevention and treatment of cancer in the region.

(ii) MCH Programme in 50 villages of Tehri.

(iii) Biofeedback training for hyper-tension. Research in the feilds of non-pharmacological approaches;



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Role of Autonomic Nervous System (ANS) diseases and its voluntary regulation in health and various diseases with the help of computerized biofeedback equipment. To study the relationship of ANS activities under various circumstances e.g. baseline, under different kinds of stress and with different relaxation techniques in various diseases.

(iv) Holistic approach established through training physicians in the specialities of modern meddicine, as well as in Homeopathy, Ayurveda, Yoga and meditation.

Initial recognisation : February, 1990

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 109.20 | 18.83 | 64.93 |
| Grants Received | | | |
| Other income | 4.32 | 3.68 | 1.83 |
| *Expenditure on R&D* | | | |
| • Capital | 30.12 | 105.45 | 96.36 |
| • Recurring | 4.78 | 6.25 | 12.25 |

**Infrastructural facilities**

Land & Building : Area: 129 acres; Value 245.41 lakhs

Equipment facilities : Gross Value: Rs. 34.14 lakhs

List of sophisticated equipment

Various department are well equipped with Sophisticated equipments like CT Scan, Image intensifier machine, Semi-Automatic biochemical Analyser, Blood Gas analyser, ECG equipment and a host of other Sophisticate facilities.

| R & D Manpower | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Ph.D. | 1 | - |
| | Postgraduates | 14 | - |
| | Graduates | 7 | - |
| | Others | 5 | 1 |
| Social Science & Technical | Ph.D. | 1 | - |
| | Post Graduates | 1 | - |

Library facilities : Have about 20,000 books & Journals are setting up Medline.

**Major achievements claimed**

- Technologies developed & transferred for upscaling/ for upscaling/commercialisation : Holistic approach based on our 22 years of research and clinical experience at the head-quarters of the Himalayan Institute of the USA.



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- **Seminars/Conferences attended/organised** : (i) One of the Doctors attended a National Orthopaedic Conference held at Bangalore from 22nd to 28th of November, 1994.

  (ii) Another Doctor attended an international Cancer Congress at Delhi in November, 1994.

**Name and Designation of five Senior Researchers**

- Dr. V. Rajesh., M.D., Director, Rehabilitation
- Dr. Anil Singhal., M.D., Consultant Neurologist
- Dr. Achala Singhal., M.D., Consultant Cardiologist
- Dr. V. Chauhan., M.S., Orthopaedic Surgeon
- Dr. Sunil Saini, M.S., Cancer Surgeon



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# HORMONE RESEARCH FOUNDATION

**Address:**
A-22,
Freedom Fighter Cultural Centre
Nebsarai (Near Bose Memorial)
New Delhi-110 068.

## Background

Status of the SIRO : Research & Development Organisation and registered as such under the Societies Registration Act XXI of 1860 vide Certificate No.S-22711 of 1992.

Year of establishment : March, 1992

Major objectives :

(i) Development of rapid qualitative tests for pregancy and ovulation detection, monitoring of luteal function and high risk pregnancies etc.

(ii) Peparation of reagents for immunoassays of hormones and development of simple, rapid and sensitive immuno-diagnostic assays for hormones and Tumor Markers, using polyclonal and monoclonal antiboides.

(iii) Isolation of steroidal glucuronides and sulphates and their application for developing diagnostic methods in urine.

(iv) Immunodiagnostic assays for measuring hormone receptors in cancers to detect hormone dependency.

(v) Basic studies in reproductive endocrinology to understand normal and abnormal physiology in the human.

(vi) Laboratory services for hormone assays in serum and urine.

(vii) Dissemination of information in the form of publications, brochures and journals.

(viii) Consultancy and development of technical manpower.

Major research areas : Following research projects are under investigation:

(i) Development of ELISA kits for steroid hormons.

(ii) Standardisation of ELISA for LH, FSH, proclactin and TSH.



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(iii) Development of a simple rapid low cost pregnancy test.

(iv) ELISA for Beta subunit of human chorinoic gonadotrophin.

(v) Service oriented clinical research.

Initial recognition : March 1993

**Income and R & D expenditure**

(Rs. in lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* | | | |
| Donations Received | 0.16 | 0.62 | — |
| Grants received | 0.82 | 0.76 | 6.11 |
| Other income | | | |
| Clinical analysis etc | 0.57 | 1.12 | 1.54 |
| Unsecured loans | 0.71 | 0.71 | 0.97 |
| Liabilities | 2.44 | 2.29 | 3.28 |
| *Expenditure on R & D* | | | |
| • Capital | 1.95 | 0.10 | 3.15 |
| • Recurring | 2.27 | 2.09 | 4.70 |

**Infrastructural facilities**

Land & Building : Rented building of 1000 Sq. ft

Equipment facilities : Gross Value : Rs. 8.5 lakhs.

List of sophisticated equipment :

— Elisa Reader
— Cold rack
— Refrigerated Centrifuge
— Lyophilizer
— Spectro chem (AIMIL)

R & D Manpower

| | Qualification | Full time |
|---|---|---|
| Scientific & Technical | Doctorates | 3 |
| | Doctorates(Consultants) | 2 |
| | Graduates | 1 |
| | Others | 1 |

Library facilities : Presently use National Medical Library Facilities

**Name and Designation of five Researchers**

- Dr. G. Lakshmi Kumari—Director
- Dr. S. Duraiswami—Consultatnt
- Dr.. Anil Srivastava—Scientist
- Dr. Somnath Roy—Consultant
- Dr. K. Muralidhar—Consultant



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# HYDERABAD EYE RESEARCH FOUNDATION

**Address:**
Road No. 2,
Banjara Hills
Hyderabad-500 034.

## Background

Year of establishment : January, 1987

Major objectives/Major research areas

To undertake, prosecute, develop, help or carry on all or any kind of basic or fundamental and/or applied medical research and scientific work in connection with or relating to surgical, clinical, socio-medical research problems, which will, without prejudice to the generality of the said field of research, include research in the following directions:

(a) To carry on and/or promote special enquiries for study of eye diseases, their prevention, causation and remedy.
(b) Detection of Blinding Eye Diseases in rural areas and motivating for operation.
(c) To undertake and promote fundamental and clinical research work in all medical subjects and particularly relating to eye diseases.

## Income and R & D expenditure:

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 3.80 | 30.69 | 36.71 |
| Grants received | 37.50 | — | — |
| Other income | — | 2.32 | 2.42 |
| *Expenditure on R & D* | | | |
| • Capital | — | 14.60 | 5.50 |
| • Recurring | 11.84 | 14.96 | 16.84 |

## Infrastructural facilities:

Land & Building : At present the research foundation is using the facilities and infrastructure of the Hyderabad Eye Institute (sister concern)

Equipment facilities : Gross Value : Rs. 50 lakhs.

List of sophisticated equipment :

— Compact Anarobic Work Station
— Specular Photometer
— Micro Plate Reader
— Blood Gas Monitor
— Bod Incubator
— Inverted Microscope
— 70◦ Refrigerator
— Centrifuge. GS-15R
— Automatic Tissue Processor
— Cryostat
— Microtome
— Cytospin
— Commander Wash Cart
— Qwantum II Dual
— Wave Length Analyser
— Commander Dynamic
— Automatic Osmoteter, etc.



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R & D Manpower:

| Scientific & Technical Qualification | No. |
|---|---|
| Scientists & Projects Directors (Ophthalmologists & Scientific Staff) | 12 |
| Research Fellows (Ophthalmologists) | 10 |
| Clinical Fellows (Optometrists) | 7 |
| Basic Scientist | 3 |
| Technicians | 6 |
| Computer data personnel | 3 |
| Administrative staff | 4 |
| Technical support | 5 |

Library facilities : 850 Books; 40 Journals; 110 Video Cassettes; 300 Audio Cassettes & Medline from 1966 till date

**Major achievements claimed:**

- Technologies developed and transferred for upscaling/ commercialisation

  In the process of developing and Indegenous ND-YAG laser incollaboration with the Defence Research Development Laboratory (DRDL)

- Research papers/Reports published:

  A total number of 66 papers were published in all major journals of Ophthalmology the world over.

- Seminars/Confernces attended/organised/Presentations made:
- Made presentations at all the prestigious meetings in Ophthalmology all over the world and have organised the following seminars at the Institute.
- Radial Keratotomy and other Refractive Surgeries-10th and 11th of October, 1993.
- The 6th Indian Contact Lens Education Programme (ICLEP)-21st and 25th February, 1994.
- The 8th ICLEP-21st and 25th November, 1994.
- The 9th ICLEP-27th March and 31st March, 1994.
- The 10th ICLEP-11th and 15th September, 1994.
- The 11th ICLEP-5th and 9th March, 1995.
- A seminar on Technical Training on the Repair and Maintenance of Ophthalmic Equipment was held at the Institute in conjunction with ORBIS International, New York, USA between 13th and 15th August, 1993 and 5th and 7th August, 1994.
- The Workshop of Advanced Vitreous Surgery-28th and 30th October, 1993.
- Update on Glaucoma-8th December, 1993.
- A Workshop on "Direction for the Future Development of Rehabilitation Programmes"-10th and 11th December, 1993.
- The International Association of Contact Lens Educators (IACLE)· 6th and 7th January, 1994.



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Modern Cataract Surgery-An Update-23rd and 24th April, 1994.

- Vitreo Retinal Society-India-The Mid-Year Congress-27th and 28th August, 1994.
- The 4th Annual Glaucoma Society Meeting-3rd and 4th September, 1994.
- A Symposium of Eye Banking-23rd September, 1994.
- A meeting of Corneal Surgeons-24th and 25th September, 1994.
- The Ophthalmic Laser Workshop-1st and 2nd October, 1994.
- A continuing medical education programme on "Ocular Microbiology & Pathology" organised by the Devchand N. Jhaveri Microbiology Laboratory in conjunction with the Indian Association of Pathologists & Microbiologists-12th March, 1995.
- A seminar on 'Cataract Surgery: Current Techniques'-25th and 26th of March, 1995.
- A seminar on Computerised Financial Management of Developmental Agencies-29th and 30th April, 1995.

- Awards won :
  - Nightingale Award, of Nightingale Hospital, Guntur, Andhra Pradesh for outstanding service in the field of Medicine, 1993.
  - Louis Emile Javal Silver Service Award by International Contact Lens Council of Ophthalmology for outstanding contributions in the area of Contact Lenses, at the International Medical Contact Lens Symposium, Toronto, Canada, June 1994.
  - One of the Doctors was adjudged for the R.P. Dhanda Award, 1993 during the All India Ophthalmological Society meeting held at Calcutta. He will deliver the oration during the next annual meeting of the Society in Bombay.
  - He was awarded DR. SURYA PRASAD RAO ORATION GOLD MEDAL by Andhra Pradesh State Ophthalmic Society.
  - Another Doctor was awarded K. VENGAL RAO GOLD MEDAL for his paper on "Bacterial Adherence to Intra Ocular Lens"
  - He was selected for the B.K. NARAYAN RAO GOLD MEDAL ORATION by the All India Ophthalmological Society to be delivered during its meeting next year



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**Names of Senior Researchers**

- Dr. G.N. Rao
- Dr. Savitri Sharma
- Dr. T.P. Das
- Dr. A.K. Mandal
- Dr. B. Rajeev
- Dr. C. Chandra Sekhar



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# INDIAN ACADEMY OF PEDIATRICS

**Address:**
Kailash Darshan,
Kennedy Bridge
Bombay 400 007.

## Background

Status of the SIRO : Association for Pediatricians in the country.

Year of establishment : 1963

Major objectives :

i) To encourage and advance the knowledge, study and practice of the science of Pediatrics in all possible ways.

ii) To promote scientific collaboration of its members and make rules regarding standards for their professional conduct.

iii) To establish and maintain libraries, reading rooms, laboratories and research centres for the promotion of its objects.

iv) To organise, establish, conduct, superintend or control institutions for promoting directly or indirectly, practice study and research in Pediatrics in any of its aspects.

v) To provide facilities to students, scholars and institutions for the study of or resarch in Pediatrics in any of its aspects by way of scholarships, fellowships, grants, endowments, etc.

vi) To found, maintain or award, either itself or in cooperation with other bodies or persons fellowships, prizes, certificates, diplomas of proficiency in the science of Pediatrics and conduct such tests, examinations or other scrutiny as may be prescribed from time to time.

vii) To print and publish an official journal of the Society, books, periodicals or publications of Pediatrics and allied subjects which the Society thinks desirable for promotion of its objects.

viii) To train up personnel for carrying out the above objectives.

ix) To organise conferences, lectures, meetings, seminars, exhibitions for the promotion of its objects.

x) To organise branches of the Society and to appoint editors and correspondents, whether in India or elsewhere, for promoting all of the objects of the society.



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xi) To consider and express its views on all questions affecting child health in India and to study, suggest, criticise or otherwise, advise or take part in the framing of laws affecting the science and practice of Pediatrics.

xii) To cooperate and affiliate with other bodies.

Major research areas : Field of Pediatrics through 13 chapters of IAP in various sub-specialities.

**Income and R & D expenditure**

(Rs. in lakhs)

| | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| *Income* | | | |
| Donations Received | 0.003 | 0.096 | NIL |
| Grants received | 3.74 | 2.55 | NIL |
| (Grants received for RRPP programme, CSSM wks, CME programme) | | | |
| Other income | NIL | NIL | NIL |
| *Expenditure on R & D* | | | |
| • Capital | NIL | NIL | NIL |
| • Recurring | 11.6 | 19.4 | 26.9 |

**Infrastructural facilities**

Land & Building : 1200 Sq. ft. of office premise in Bombay

Equipment facilities : Gross Value : Rs. 1.00 lakhs.

List of sophisticated equipment :

PC XT & AT computers

R & D Manpower

| | Full time | Part time |
|---|---|---|
| Scientific & Technical | — | 8 |
| Social Sciences & Others | 7 | — |

**Major achievements claimed**

Ever since its inception 32 years ago with couple of hundred members, the Academy has grown over the period of time and has 8000 members from all over the country and abroad. With ever increasing membership the Academy has been successful in achieving most of its objectives as enshrined in the memorandum of Association.

The Academy is affiliated to the International Pediatric Association, Association of Pediatric Societies of the Southeast Asian Region, Internationational Society of Tropical Pediatrics & American Academy of Pediatrics. To promote international brotherhood, the Academy has initiated number of activities to broaden its net work in the International Pediatric Community for exchange of scientific knowledge and bring Pediatricians of Indian origin in the fold of IAP.





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The Academy has successfully held XV International Congress of Pediatrics in 1977 and 8th Asian Congress of Pediatrics in 1994 at New Delhi. The Academy has held 32 National Conferences annually in various parts of India since last 32 years.

The Academy and its branches and chapters are active in reaching the goal every year by organising National/State/local level conferences, CME, Seminars, Symposia, Workshop and other social and scientific activities throughout the year which are attended by large number of Academy members. The members actively participate in various activities dealing with child health and care. They publish number of articles in various journals/dailies/magazines spreading the knowledge concerning child health and care and problems concerned. IAP is also actively involves itself with NGOs and Governmental agencies in implementing programmes concerned with children like ARI, Immunisation, ORT, CSSM, Lactation Management, etc. IAP has whole heartedly participating in the Pulse Polio Programme being held all over India. IAP has three publications of its own. The Indian Pediatrics at New Delhi, IAP Journal of Practical Pediatrics at Madras, 2 majour scientific journals in which research activities done by the members are regularly published and in-house megazine "Academy Today" at Bombay which is circulated to all the members free of cost to interact with its members.

- Research papers/Reports published : 4
- Seminars/Conferences attended organised :11 (1995)
- Awards Won :
  i) Dr. Kamala Menon Medical Research Award of the ICMR for the year 1993.
  ii) Dr. B.C. Banerjee Memorial Oration Award.
  iii) Dr. B.C. Roy National Award
  iv) National Child Welfare Award for the year 1994.
  v) Amurt Mody Award of ICMR for the year 1993.
  vi) "Satayushi 1994" award.
  vii) A scroll of honour and shield.
  viii) The Mahatma Gandhi Award from Jaipur District - best doctor of Jaipur district
  ix) Prestigious Maj. Gen. Amir Chand Award (1994).
  x) Gold Award from "Lite for Life" foun dation for proposals to fight tuber culosis.
  xi) Tamil Nadu Scientist Award 1994-95 (Tansa Award).
- Any Other :
  i) Six months fellowship in "Pediatric Intensive Care" from January to July 1994 in United States.



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ii) BGC oration for 1995 during the annual conference of Bombay Hematology Group.

**Name and Designation of Senior Researchers**

- Dr. M.R. Lokeshwar, Coordinator & Convenor
- Dr. Y.K. Amdekar, Chairperson
- Dr. R.N. Srivastava, Member
- Dr. Anand Pandit, Member
- Dr. Jacob John, Member
- Dr. S.K. Bhargava, Member
- Dr. M.K.C. Nair, Member
- Dr. M.K. Bhan, Member



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# INDIAN CANCER SOCIETY

**Address:**
74, Jerbai Wadia Road,
Parel, Bombay-400 012.

**Background** : Established in 1951. Conducting research in the areas of cancer diagnosis and treatment of all forms of cancer including Rehabilitation of cancer patients. Recognised by DSIR as a Research Institute since 1989.

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | 19.27 | 21.59 | 23.87 |
| Grants received | 16.58 | 25.00 | 13.97 |
| Other income | 183.14 | 219.57 | 219.05 |
| *Expenditure on R & D* | | | |
| • Capital | 108.84 | 179.54 | 34.67 |
| • Recurring | 182.72 | 218.30 | 232.93 |

**Infrastructural facilities**

Land & Building : Area: 53,313 sq.ft.

Equipment facilities : Gross Value : Rs. 343.55 lakhs

List of sophisticated equipment :
— Cat Scanner
— Sonograph Units
— Thermograph
— Xero Mammograph
— Standard Radiology Unit
— Cobalt 60 Unit
— Multi Analysis System
— Film Mammograph

R & D Manpower

| | Full time | Part time |
|---|---|---|
| Scientific & Technical | 53 | 19 |
| Social Sciences & Others | 68 | 9 |

Library facilities : Available

**Major achievements claimed**

- Technologies developed and transferred for upscaling/commercialisation
  - i) Technology for preparing various aids & appliances for cancer patients such as breast prostheseas, irrigation sets and specially designed artificial limbs was developed and upscaled.
  - ii) A comprehensive programme of rehabilitation services for both rural and urban patients was developed on the basis of two rehabilitation research projects viz. Rehabilitation of Cancer Patients and their Families in Urban Areas and "Rehabilitation of Cancer Patients and their Families in the Rual Areas".
- Research papers/Reports Published

  10 Research papers presented/Published
- Seminars/Conferences attended/organised/papers presented in International conferences



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i) International Cancer Congress at Delhi.

ii) National Network Seminars on 'Rehabilitation & Employment' at Delhi & Bombay.

iii) Seminar on Carcinoma Cervix in developing Countries at Trivandrum.

iv) Presentation of paper on "Trends in Cancer Incidence in Greater Bombay 1964-90", at the International Seminar in Cancer Epidemiology and Progression held at the Cancer Epidemiology Unit of the Karolinska University Hospital in Stockholm, Sweden, on November 23, 1993.

v) Presentation of paper on "Interpretation of Trends in Cancer Incidence by Age, Sex and period at a Seminar in Epidemiology, held at the Department of Public Health, University of Tampare, in Finland on December 7, 1993.

vi) Presentation of paper on "Precancerous Lesions of Cervical Cancer" at the Seminar in Epidemiology held at the Department of Public Health, University of Tempere, Tampere, Finland on February 12, 1994.

vii) Presentation of paper on "Cancer Control Programme in India" at the International Seminar on Health Service in Developing Countries held at the Turku University, Turku, Finland on March 14, 1994.

viii) Presentation of paper on "Cancer in India in 2000 A.D." at the Conference on Epidemiology in Transitional Society held at Veerat, Finland during 24th to 26th May, 1994.

ix) Attended the 13th Annual Review Meeting of the National Cancer Registry Programme was held at Cancer Institute, Madras on 24th October, 1994.

x) Presentation of paper "Cancer in India in 2000 A.D." at the meeting of the International Association of Cancer Registries held during 25th to 28th October, 1994 at Kidwai Memorial Institute of Oncology, Bangalore.

xi) Presentation of paper on "Cancer in Children", at the XVI International Cancer Congress 1994, held at New Delhi during 30th October to 5th November, 1994.

- Awards Won

i) Received award from Federation of Indian Chambers of Commerce and Industry, in 1981, for outstanding achievement in training and placement of disabled persons.

ii) As per bilateral agreement between the Ministries of Education in Finland and India, a post-graduate training programme in Epidemiology, was held at the Department of Public Health, Faculty of Medicine, University of Tampere in Finland, which provided training for selected Indian Scientists working in the field of Cancer Control. The Deputy Director, Bombay Cancer Registry was selected to participate in this programme for the academic year 1993-94.

iii) The Board of Governors of the New York Academy of Sciences elected Deputy Director, Bombay Cancer Registry to membership in the Academy.



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## Name and Designation of Senior Researchers

- Dr. D.J. Jussawalla
  Director, Lady Ratan Tata Medical & Research Centre
- Dr. (Miss) K.A. Dinshaw
  Head, Department of Radiation Oncology
- Dr. K.H. Sahiar
  Head, Department of Pathology
- Dr. (Miss) Usha Bhatt
  Director, Rehabilitation Centre
- Mr. B.B. Yeole
  Deputy Director, Bombay Cancer Registry



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# INDIAN CANCER SOCIETY

**Address:**
8389/2-B, Rly. Lines,
Solapur-413 003

## Background

Status of the SIRO : Registered society & Public Charitable Trust.

Year of establishment : April, 1980

Major objectives : Cancer Control by Education masses & increasing public awareness & by providing free early Cancer Detection for Rural poor at the micro interiors.

Major research areas : Early Cancer Detection Studying.

a) Role of MMR Xray

b) Cytology as a routine investigation for vaginal & other internal organs like bronchus, oral cavity, oesophagus etc.

Initial recognition as SIRO : April, 1982

## Income and R & D expenditure

(Rs. in lakhs)

| Incomes | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 0.42 | 0.53 | 0.96 |
| Grants received | 1.00 | 1.00 | 1.00 |
| Other income | 0.089 | 0.089 | 0.32 |
| Bank Intrest | | | |
| *Expenditure on R & D* | | | |
| • Capital | 0.16 | Nil | Nil |
| • Recurring | 1.04 | 1.17 | 1.12 |

## Infrastructural facilities

Land & Building : Land : Area : 5000 sq.ft;
Value : Rs. 15.00 lakhs
Building : Area : 2000 sq.ft.
Value (Construction) : Rs. 10 lakhs

Equipment facilities : Gross Value :
i) MMR Unit — Rs. 25 lakhs.
ii) Lab. Equip — Rs. 1 lakh

List of sophisticated equipment :

— Fiber optic Endoscope
a) Gastro duodenoscope
b) Bronchoscope
c) Colposcope
— Boyles Apparatus with circle absorber
— M.M.R. X-ray unit



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R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 1 | 4 |
| | Diploma Holders | — | 1 |
| | Others | 5 | 5 |

Library facilities : Presently using Library of Medical College.

**Name and Designation of five Senior Researchers**

- Dr. Susheela Patil, (MS., F.I.C.S.), Hon. Surgeon
- Dr. A.D. Dekhane (M.D. Path.), Hon. Pathologist
- Dr. R.M. Chidgupkar M.D. (Radio), Hon. Radiologist
- Dr. Mrs. M.L. Solapurkar M.D. (Gyn.), Gynacologist
- Mrs. S.A. Dekhane Msc. (Micro), Cytotechnologist



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# INDIAN COUNCIL OF MEDICAL RESEARCH

**Address:**
Post Box No. 4508,
Ansari Nagar,
New Delhi-110 029.

**Background**

Status of the SIRO : Registered Society under Registration of Society Act, XXI of 1860.

Year of establishment : 1911

Major objectives :
i) Communicable Diseases
ii) Contraception and Reproductive Biology
iii) Maternal and Child Health
iv) Nutrition
v) Environmental and Occupational Health
vi) Noncommunicable Diseases
vii) Traditional Medicine
viii) Basic Medical Research
ix) Supporting Facilities
x) Publication, Inforamtion & Communication

Major research areas :
i) To take over and manage the assets of the Indian Reseach Fund Association (registered under the provisions of the Societies Act XXI of 1860) on its dissolution, or such aprt thereof as can be taken over by the Council, as also to take over and manage the assets or any parts of the assets of any other organisation having objects similar to those of the Council.
ii) The prosecution and assistance of research, the propagation of knowledge and experimental measures generally, in connection with the causation, mode of spread and prevention of diseases, primarily those of a communicable nature.
iii) To initiate, aid, develop and coordinate medical scientific research in India and to promote and assist institutions for the study of diseases, their prevention, causation and remedy.
iv) To finance enquires and researches.
v) To exchange information with other institutions; associations and societies interested in the same



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objects, and specially in the observation and study of diseases in East, and in India particular.

vi) to prepare, print and publish any papers or periodicals in furtherance of the objects of the Council and to contribute to any such periodicals.

vii) To issue appeals and applications for money and funds in furtherance of the said objects and to accept gifts, donations and subscriptions of cash and securities and of any property either movable or immovable.

viii) To invest and deal with the funds and money of the Council, or entrusted to the Council, not immediately required, in such manner as may from time to time be determined by the Governing Body

Initial recognition as SIRO : Final

**Income and R & D expenditure**

(Rs. in Crores)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | — | — | — |
| Grants received | 48.55 | 53.54 | 55.83 |
| Other income | 3.58 | 3.48 | 2.95 |
| *Expenditure on R & D* | 53.12 | 57.66 | 58.61 |
| • Capital | 10.94 | 8.43 | 6.61 |
| • Recurring | 42.18 | 49.23 | 52.00 |

**Infrastructural facilities**

Land & Building : Value: 2747 Lakhs

Equipment facilities : Gross Value : Rs. 5984 lakhs.

R & D Manpower

ICMR has 28 permanent Institutes Centres engaged in research which appoint scientists and technical staff for conduct of researh. ICMR has Scientific Research Cadre comprising of scientific staff of the rank of Research Officer and upto the level of Director-General.

Library facilities : Most of the permanent Institutes Centres and Hqrs. office have the library facility with Books and Journals.



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**Major achievements claimed**

- Technologies developed and ready for upscaling and New Techniques/ methodologies developed and implemented:—

| Name of the product/process | Developed/in piple-line | Patented/pending patent/potentia-lly patentable |
|---|---|---|
| 1. Virio Cholerae 0 139 antiserum | Developed | Potentially patentable |
| 2. Monoclonal antibody against Vibrio Cholerae 01 (Odgawa) | -Do- | -Do- |
| 3. Monoclonal antibody against Vibrio Cholerae 01 (Ogawa + Inaba) | -Do- | -Do- |
| 4. Polyvalent antiserum against Vibrio cholerate 01 | -Do- | -Do- |
| 5. New phage typing scheme for Vibrio cholerae 01 eltor | -Do- | -Do- |
| 6. Monoclonal antibody against the surface antigen (29 KDa) of Entamoeba histolytica | -Do- | -Do- |
| 7. Standard Entamoeba histolytica antigen | -Do- | -Do- |
| 8. Cell-bound haemagglutinin (HA) of Vibrio cholerae 01 | Pipe-line | -Do- |
| 9. Porine of Shigella dysenteriae type 1 | -Do- | -Do- |
| 10. Soluble haemagglutinating protein of Virio cholerae | -Do- | -Do- |
| 11. Mechanical Trap for adult vector mosquitoes | Developed | -Do- |
| 12. Mosquit/sandfly repellent from the grass Cymbopogon jwarnacusa and C. schoenanthus | In Pipe-line | -Do- |
| 13. A filarial protease $SdP_1$ | -Do- | -Do- |
| 14. Antibodies of Diethyl-carbamazine | -Do- | -Do- |
| 15. Juvenile hormones from Aphids | -Do- | -Do- |
| 16. Cyclosporin A | Developed | Patented |
| 17. Thrombinase | -Do- | -Do- |
| 18. Bacillus thuringiensis | -Do- | Pending patent |
| 19. Romanomermis iyengari | In Pipe Line | Potentially Patentable |
| 20. L-DOPA | -Do- | -Do- |
| 21. Bacillus sphaericus | Developed | Pending Patent |
| 22. 2, 4-dinitrophenyl-2', 6' — ditertiary butyl pheny ether (DPE-28) — a poetent Juvenoid | -Do-<br>In pipe-line | Pontentially Patentable<br>Potentially patentable |



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| Name of the product/process | Developed/in piple-line | Patented/pending patent/potentia-lly patentable |
|---|---|---|
| 23. Alpha cyano-3-phenoxy-benzyl-2 (4-fluorophenoxy)-3-methyl butanoate (P-38)-a mosquito larvicide | -Do- | -Do- |
| 24. Alpha cyano-3-phenoxy benzyl-2 (4-chlorophenoxy)-3-methyl butanoate (P-29) - a mosquito adulticide | -Do- | -Do- |
| 25. N, N-Diethyl phenyl acetamide (DEPA)-a mosquito repellent formulation | -Do- | -Do- |
| 26. Domestic mosquito sampling Device | -Do- | -Do- |
| 27. Environmental safe Aedes Control Device (ESACD) | Developed | -Do- |
| 28. Whole skin organ culture system for therapeutic assessment of vitiligo | In pipe-line | -Do- |
| 29. Hair follicle culture system for studying oncogenic potential, drug effects and hair transplant procdures | Developed | -Do- |
| 30. In ovo chick blastoderm culture for rapid and preliminary screening of teratogenic drugs | -Do- | |
| 31. MET slid sets/Atlases | In Pipe-line | -Do- |
| 32. Sets for drug toxicity studies in animals | -Do- | -Do- |
| 33. MoAb against indigenous strains of trachomatis | -Do- | -Do- |
| 34. Melarocyte cultures | Developed | |
| 35. Referral & Consultancy Services | -Do- | |
| — Histopathology | -Do- | |
| — Frozen Sections | In pipe-line | |
| — Immunohistochemsitry | Developed | |
| — Clinical Pathology | In pipe-line- | |
| — EH facilites | | |
| — Molecular Biology Techniques | Developed | |
| 36. Monoclonal antibody based SACT test for serodiagnosis both as a radioimmunoassay & ELISA | -Do- | |
| 37. Filter based blood collection SACT-ELISA technique | Developed | |



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| Name of the product/process | Developed/in piple-line | Patented/pending patent/potentia-lly patentable |
|---|---|---|
| 38. ELISA technique using Phenolpthlein monophospate as a substrate | -Do- | |
| 39. A sensitive method for detection of complement activation by particulate material | -Do- | |
| 40. An immunofluorescenc method for demonstration of complement activation | -Do- | |
| 41. Coupling of M.leprae antigen with liposomes for antigen delivery in human beings | -Do- | |
| 42. Techniuqe for assessment of a drug by competion assays | -Do- | |
| 43. Biouluminiscence based in-vitro drug screeing system for M.leprae | -Do- | |
| 44. Improved technique for viability testing of mycobacteria incl M.laprae | -Do- | |
| 45. Isoenzyme based system for rapid identification of mycobacteria | -Do- | |
| 46. Superoxide dismutage based ELISA for identification of mycobacteria | -Do- | |
| 47. Technique for stepwise purification of RNA/DNA frommycobacteria | -Do- | |
| 48. DNA fingerprinting using RNA probes | -Do- | |
| 49. Two M.leprae specific probes targetting rRNA region | -Do- | |
| 50. Reverse PCR-DNA fingerprinting for mycobacteria specially M.leprae | -Do- | |
| 51. Microdensitometric scaning technique for quantitative hybridization of probes | -Do- | |
| 52. Probes targetting spacer and other variable regions for mycobacteria including M.laprae | -Do- | |
| 53. 1,25 dihydroxy cholecalceferol (1,25(OH)2D3) from Cestrum diurnum leaves | Developed | |



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| Name of the product/process | Developed/in pipe-line | Patented/pending patent/potentially patentable |
|---|---|---|
| 54. Mutal model rats. | | |
| (i) Wistar/NIN-IGT | | |
| (ii) Wistar/NIN/OB | -Do- | |
| (iii) Wistar/NIN-Ob-IGT | -Do- | |
| 55. Microbial identification kit | -Do- | |
| 56. Feed for laboratory animals | | |
| 57. Aflatoxin kit for rapid screeing of aflatoxins in peanut | | |
| 58. A compound from Brinjal Leaves for use in treatment of Osteoporosis | Potentially patentable | |
| 59. Controlled exposure experimentation facilities in form of (a) Inhalation-Exposure Chamber (b) Climatic Chamber (c) Illumination Chamber | Developed | |
| 60. Standardized analyrtical methodology for heavy metals/ pesticides/air pollutants under Global Quality Assurance Programme. | -Do- | |
| 61. (i) Preglisa for detection of pregnancy | Potentially Patentable | |
| (ii) Ovulisa for detection of foccurance of ovulation | -Do- | |
| (iii) Indulisa for monitoring induction of ovulation therapy | -Do- | |
| (iv) Corpulisa for assessing corpus luteum function | -Do- | |
| (v) Follilisa for assessing hypothalamic piluitary gonadal disorders | -Do- | |
| (vi) Luteolisa for assessing hypothalamic piluitary gonadal disorders | -Do- | |
| (vii) Testolisa for hirsuilism | | |
| (viii) Ferritin Biochemical marker for body's iron stores | -Do- | |
| (ix) Lactoferrin Biochemical marker for quality of breast | | |



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| Name of the product/process | Developed/in piple-line | Patented/pending patent/potentia-lly patentable |
|---|---|---|
| milk and index of inflammation | Developed | |
| 62. (i) Isolation of ferritin from liver/spleen raising antibodies with enzymes; development of the ELISA. | -Do- | |
| (ii) Isolation of lactoferrin frombreast milk, raising antibodies, labelling of antigen with enzyme; development of the assay. | | |

| | | |
|---|---|---|
| Patents Filed | : | 13 |
| Research Papers/Reports Published | : | 300 approx/year |
| Seminars/Conferences/ Attended/Organised | : | 57 |
| Any other | : | The primary aim of the ICMR is promote research in the country in the field of medicine, public health and allied areas. The Council has 20 permanent institutes which are carryingout mission-oriented research inpriority areas such as Communicable Diseases (including viral disease, Cholera and enteric diseases, tuberculosis, leprosy, malaria, filariasis, kala-azar, vector control etc.); Reporductive biology & fertilitzy control, Nutrition, Food & drug toxicology, occupational health, Non-communicable diseases (cardiovascular diseases, cancer, mental diseases etc.), Immunohaematology, Pathology etc. The Council has also established five Regional Medical Research Centres in different geographic areas for undertaking research on regional health problems. In addition, the Council also supports extramural institutions through its Centres of Advanced Research and Task Force projects; as well as by open-ended research supported through adhoc research proposals and fellowships. |



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**Name and Designation of Senior Researchers**

- Dr. B.N. Saxena, Sr. DDG(RHN)
- Dr. V.P. Sharma, Director, Malaria Research Centre
- Dr. S.K. Kashyap, Director, National Institute of
- Dr. Kalyan Banerjee, Director, National Institute of Virology,
- Dr. Padam Singh, Director, Institute for Research in



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# INDIAN HEALTH ORGANISATION

**Address:**
J.J. Hospital Compound,
Bombay-400 008, India

**Background**

Status of the SIRO :

Registered under Society's Registration Act, 1860 No. 431/82 GBBSD, dated 14.6.82; under BPT Act, 1950, No. F-7911/Bombay on Dt. 8.12.82; under Foreign Contributions Regulations Act (FCRA), 1976 No. 083780443 on 20.6.89;

Major objectives :

IHO started its activities in the form of multi-diagnostic health camps in different areas and follow-up of those communities. Besides working in Leprosy colonies, Urban Slums, Rural areas, Tribal areas, we continued our medico-social activities for the Commercial Sex Workers (CSW) and their children with meagre funds. IHO worked under all odds on prevention of child and forced prostitution, Devadasi System; research on Sexually Transmitted Diseases and their control among CSWs and Hijras; Prostitution related Laws; self organisation of CSWs. In September 1985, IHO started country's first AIDS awareness program and subsequently first AIDS Clinic at J.J. Hospital in March 1996.

Major area research :

Epidemiological linear profile of HIV in different groups of people; Natural history of HIV; Vertical Transmission; Genetic Diversity of HIV; Psychosocial aspects of AIDS; Increasing survival and reducing morbidity.

Initial recognition : December 1993

Year of establishment : April, 1982

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | 2.17 | 2.42 | 7.72 |
| Grants received | 41.19 | 48.44 | 11.88 |
| Other income | .04 | .01 | 1.52 |
| *Expenditure on R & D* | | | |
| • Capital | .33 | 14.68 | 1.94 |
| • Recurring | 14.30 | 18.45 | 5.99 |

**Infrastructural facilities**

Land & Building : Area : 24 acres; purchased for Rs. 12 lakhs, prevalent, but current market price is Rs. 96 lakhs

Equipment facilities : Gross value : Rs. 49 lakhs

List of sophisticated equipment:

ELISA Reader and Washer Tube & Microplate System, Microscope, Steriliser, Computers & Printers, etc.



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R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | MB, DDV, FCPS | 1 | — |
| | Medical Post Graduates | 2 | 4 |
| Social Sciences & Others | Medical Post Graduates | 5 | 1 |
| | Medical Graduates | 1 | 1 |

**Major achievements claimed :**

- Research papers/Reports Published : 40
- Seminars, Conferences workshops Attended/Organised :
  - (i) Organised WORLD CONGRESS ON AIDS, Bombay
  - (ii) Attended International Conference on AIDS at Montreal; San Francisco; Florence; Amsterdam; Berlin; Yokosama IHO delegation comprised of 4-7, except at Montreal.
  - (iii) Organised Workshops of Asian Solidarity Against AIDS at Florence; Amsterdam; Berlin; Yokoama AIDS Conferences.
  - (iv) Organised workshop on 'LIVING with HIV/AIDS' at the First Intl. TB & HV/AIDS conference in Bombay. Dr. Gilada invited as a resource person for the Health Consultation organised by World Vision Intl. at KENYA.
  - (v) One Doctor invited as a Faculty for the Indo-British Workshop on AIDS for Doctors; Nurses at Bombay.
  - (vi) Training of Trainers on AIDs at Medical Colleges at Ajmer, Jodhpur, Indore, Bombay, Aizwal in Collaboration with Medical College of Ohio, USA & World AIDS Foundation.

**Name and Designation of five Senior Researchers**

- Dr. I.S. Gilada, Director
- Drs. G.V. Bhiman
- R.N. Jerajani Psychiatrist
- Dr. Rashid Merchant, Pediatrician
- Dr. Kaizad Damania, Gynaecologist



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# INDIAN MEDICAL SCIENTIFIC RESEARCH FOUNDATION

**Address:**
Ajay Mansion, Malaviya Road,
Rajkot 360 002
Gujarat—India

**Background**

Status of this SIRO : Registered as Charitable Trust.

Year of establishment : 1981

Major objectives :

(i) To undertake Scientific Research in the area of Blood and Immunohaematology.

- Study of incidence, prevalance and distribution of rare blood groups.
- Study of abnormalities and atypical antibodies in the blood.
- Study of various hematological and non-hematological diseases affecting Blood Group Serology.
- Study of prevalance of Hepatitis carrier state in Blood Donors.
- Study of Intratransfusion and post-transfusion effect of blood.
- Study of post-transfusion Hepatitis in the patients.
- Study of Leukemias & Lymphomas, Thalassemia and other Hemoglobinopathies, Bleeding disorders, Bone marrow diseases and Transplantations.
- Study of Adquired Immuno Deficiency Syndrome (AIDS) in Blood Transfusion.

(ii) To acquire land, build, maintain, run the Research Laboratory and related facilities and to equip them with amenities considered necessary for the proper discharge of the function.

(iii) To give advice on, publish and/or otherwise promote utilisation of research results in the field of Blood Science and Immunohaematology.

(iv) To conduct conferences, refresher courses, lecture, seminars, exhibitions relating to the research done and results obtained.

(v) To make available to others, techniques and materials developed as a result of research.

(vi) To conduct diploma Courses for Laboratory medical Technicians in advanced Science and technology in Blood Serology.



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(vii) To carry on the research for providing assistance to Physically handicapped and mentally retarded class of people for better life.

(viii) To promote activities in the area of Scientific and Industrial research, design and development to develop indigenous technology to achieve technological self-reliance and to undertake activities of extension of the knowledge in the field of natural and applied Science such as agriculture, animal husbandry, medicare and Social Sciences.

Initial recognition : June, 1991

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95** |
|---|---|---|---|
| Donations received | 25.01 | 69.71 | 18.47 |
| Grants received | — | — | — |
| Other income | — | — | — |
| *Expenditure on R & D* | | | |
| • Capital | 2.75 | 41.84 | 2.59 |
| • Recurring | 0.43 | 12.54 | 17.57 |

**Infrastructural facilities**

Land & Building: Total area including building 28 acres.

Equipment facilities : Gross Value: Rs. 35 Lakhs

List of sophisticated equipment:

— Haemoglobin variant analyser

— Coulter MD 18 cell counter

Library facilities : Available

**Major achievements claimed :**

- *Report on Thalassaemia Awareness Programme*

  India is entirely covered by red belt of Thalassaemia on World Map. Gujarat has got more patients of Thalassaemia than other. There is no specific treatment for this disease, one has to concentrate oly on its prevention programme, keeping this in mind, it was decided to concentrate on prevention control programme.

  This Association looked into the need for educating people with regard to controlling of this dreaded disease. A new cell is opened up which would work entirely for "Thalassaemia Control Programme" under the banner of "Indian Medical Scientific Research Foundation" in 1993. The work carried out by this cell is given below in an overview of the status report of the Thalassaemia patients in Saurashtra.



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To start with it was difficult to locate the partients of Thalassaemia without a good statistical data. However on enquiry with the patients who came across, factors which prevented the effective control of this life threatening disease were located which are more or less heriditary. The major factor was that the over all socio-economic status of the people fall under the lower income groups.

The other major factor is the inhability of the health system to provide drugs like Deferoxamine insufficient quantity and at acceptable cost. This however, is the situation of the majority of the Thalassaemia patients all over the world. The hope lies in finding alternative low priced drugs of atleast similar efficacy and secondly in obtaining support and co-operation from patients families, most of whom come from lower socio-economic groups under the circumstances decided to concentrate. The studies only on "How to control and prevent this disease" were started to collect data on this disease in this region.

The major volunteer force was the students community. The Saurashtra University authorities were approached who were prompted in extending viable support in this connection. The University authorities passed a resolution making it mandatory for the students seeking admission to the first year degree course to undergo Thalassaemia screening test "No Thalassaemia test No Admission."

This helped the Association in screening about 19,000 students of different colleges in Saurashtra during 1993-94. The result came out to be interesting. The questionnaire was prepared which was sent to all the 93 colleges affiliated to Saurashtra University. They were asked to get it filled for each student giving screening report of the Pathologist. Out of 93 colleges, 71 colleges responded to the questionnaire while 22 colleges did not respond. 19111 students' reports were received from 71 colleges.

Out of 19111 students 8931 were male 10180 were female students. 778 male and 1313 female students were found positive to Thalassaemia screen test. Thus 2091 students out of 19111 were positive which comes to about 10.94%. The male percent was 8.71 while female percent was 12.09 among positive screen.

- The district-wise break-up was as follows :

  A) *Junagadh District*: had sent the reports of 5164 students of which 585 were found positive which comes out to 11.32%.

  B) *Rajkot District* : had sent reports of 8074 students of which 963 were found positive which comes to 11.92%.

  C) *Amreli District* : had sent reports of 2259 students of which 188 were positive which means 8.23%.

  D) *Jamnagar District*: had sent reports of 1491 students out of which 156 were positive making it 10.46 E.

  E) *Surendranagar District*: had sent reports of 2123 students of which 201 were positive which comes to 9.46%.

  It can be seen from the above data that Rajkot District is prone to have more Thalassaemia trait patients. The above figures seemed alarming and it was decided to concentrate towards the public awareness programme.



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For this programme, were collections literatures and a band of social workers were selected who were asked to go to various colleges located in their respective areas and give lectures to the students explaining the seriousness and hazards of this dreaded disease. This was found to be effective. People started getting more conscious about this disease and started coming to the unit to get more details about this disease. They also came forward to get their relatives tested for Thalassaemia. More were succeded by the newly acqured Hemoglobin testing VARIANT machine.

The awareness programme made some people to get their children screened before their engagement. A few couples came forward for consultation after conception, some of whom were advised to go to Bombay for prenatal diagnosis of this trait.

During June 1993 to December 1994, 419 people contacted us for guidance, counselling was done and they were educated about this disease.

As many as 45 couples were directed to go to Bombay for prenatal diagnosis out of which, 14 pregnancies were terminated because of positive Thalassaemia major. Eight couples were found normal, seven couples were found positive for Thalassaemia minor and two patients died before delivery.

People who come for counselling had come either (i) before marriage (ii) after marriage (iii) before child birth (iv) after child birth and (v) students who were found positive by NESTROFT had come for confirmatory test on VARIANT. Similar type of programme was carried out at Mithapur near Dwarka. The entire school going children of employees of TATA CHEMICALS LIMITED company have been screened on VARIANT. The results are being analysed.



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# INDORE CANCER FOUNDATION CHARITABLE TRUST

**Address:**
"Raj Tilak", Saket Extension,
Manishpuri, Indore-452 001

## Background

The Indore Cancer Foundation was launched on December 27, 1988 in the presence of Dr. Jatin P. Shah, Surgeon and Chairman, Department of Head and Neck Surgery, Memorial Sloan Kettering Cancer Centre, New York, Shri Sunil Dutt, MP from Bombay; and Shri Surendra Wadhwani, an industrialist from Hong Kong, at a well attended public function amongst the citizens of Indore, at Ravindra Natya Griha, Indore. the Indore Cancer Foundation was formed with the explicit idea of developing a super speciality centre for head and neck cancers.

The Foundation was subsequently registered as a Public Charitable Trust under the M.P. Public Trust Act, 1951, on November 14, 1990. This trust was settled by Smt. Usha Devi Holkar, the ex-ruler of Indore and her husband Mr. Satish Chandra Melhotra, Chairman, Empire Industries, Bombay, and has already received fiscal support from the Devi Ahilya Eductional Trust, (Rs. 15 lakhs) for development of cancer related educational activities.

A senior and committed group of doctors offers honorary services on the Board. As a matter of policy, doctors associated with the project do not hold any trust positions, their appointments are to be approved by the Board of Permanent Trustees of the Foundation.

Dr. Digpal Dharkar, trained at the Tata Memorial Centre, Bombay, and the recipient of five international cancer surgery fellowships, is the Honorary Secretary of Project Cancer (tenure appointment — 1994 — 1997).

With a view to fulfilling the provisions of its trust, the Foundation has set up the Indian Institute of Head and Neck Oncology under its Project Cancer at village Pigdamber, Rau (about 10 Km. from Indore), District Indore. Madhya Pradesh. This land has been allotted by the State Government of Madhya Pradesh.

This is in line with the intention of the Foundation of focussing all its activities on "head and neck cancers". This category includes cancers of mouth, cheek, tongue, voice box, food-pipe etc. About one in every three cancer patients in India suffers from such cancers (i.e. approximately 40% of the total number of cancer patients in India). The high incidence of the cancers of the head and neck influenced the Foundation to focus its attention on the very particular type, commonly found cancer in India. This type of cancer can be effectively prevented with due public education and cured completely, if detected in early stages.

The French Cancer Institutes have termed the Indian Institute of Head and Neck Oncology as "the first institute of its kind any where in the world" and as such this project has been included in the 7th Indo-French Joint Commission on Scientific & Technical Cooperation and is officially included in a bilateral inter-governmental agreement that the Governments of India and France signed in October 1992.



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## Income and R & D expenditure

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| | | | *(Rs. in lakhs)* |
| Donations received : | - | 14.56 | 24.18 |
| Others | 0.26 | - | - |
| Grants received : | | | |
| W.H.O. Grants | 2.56 | - | - |
| Mobile Cancer Pain Relief Project (Including interest eaned on bank deposits). Australina Government | 0.16 | 0.078 | - |
| Australian grants (Rural cancer detection) | - | 2.00 | - |
| Other Income : | | | |
| Seminar receipts | - | 0.03 | - |
| Interest on bank deposits | 0.045 | 0.175 | 0.084 |
| Total | 3.03 | 16.85 | 24.36 |
| *Expenditure on R&D* | | | |
| • Revenue | 3.42 | 0.52 | - |
| • Capital | 0.25 | 15.55 | 22.48 |

### Infrastructural facilities

Land & Building : Value Rs. 71.67 lakhs
Equipment facilities: Gross values: Rs. 129.00 lakhs

### List of Sophisticated equipments

Cobalt machies & Diagnostic equipments

R & D Manpower :

| | Qualification | Full Time | Part Time |
|---|---|---|---|
| Scientific & Technical | Post graduates | 4 | 2 |
| Social Sciences & Others | | 8 | - |

### Major achievements claimed

| | |
|---|---|
| • Technologies developed and ready for upscaling. | Computerised treatement planning system and patient registration system. |
| • New Techniques/methodologies developed and implemnted. | Devised beam shaping modifying blocks of standard sizes for radio-therapy (2) Wedges (3) Devising water phantom for radiation field anlysis in 3D system and (4) Devising breast con for radiotherapy of breast (Medical Physicist) |
| • Research papers/Reports attended/orgnised. | Paper presented on Control of oral Published. cancer in Ratlam, a feasibilit study "UICC congress 1994 Research. |



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- Seminars/Conferences

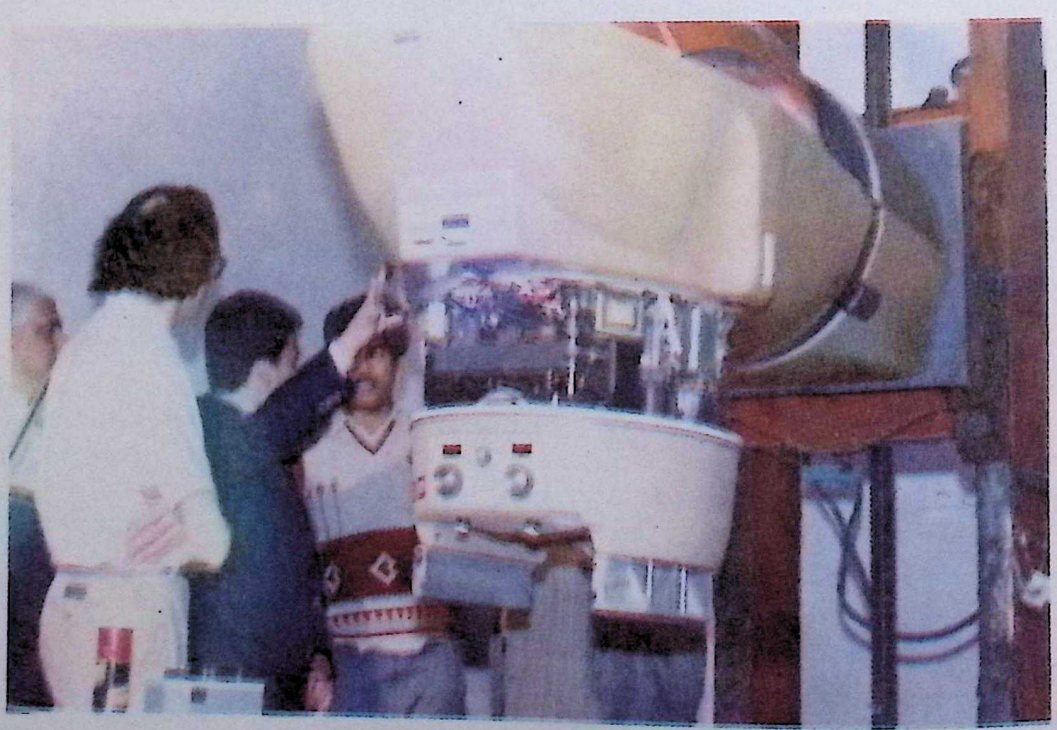
Indo-French seminar in Head and Neck Oncology 1993-1994-1995.

- Any other.

This is a development project. This is the first oncology institute focussing on head and neck cancers as a Institutional concept and not as a department activity. The French cancer Institutes have remarked it as the first institute of its kind any where in the world. The project has been included in the 7th Indo-French Joint Commission in Sciences and technology cooperation (article 10).

**Name and Designation of Senior Researchers**

- Dr. Jatin P. Shah, Chairman, Head and Neck Surgery, Memorial Sloan
- Kettering Cancer Centre, New York, USA (Permanent Trustee)
- Dr. Jean Louis Lefebvre, Chairman, Head and Neck Group,
- European Organisation for Research on Treatment of Cancer EORTC. (Permanent Trustee)
- Dr. Bhadrasain Vikram, Professor and Chairman, Radiation Oncologist in Chief, Montefiore Medical Cantre, The Albert Einstein Cancer Centre, New York, USA (Permanent Trustee)
- Dr. Digpal Dharkar, Honorary Secretary, Indian Institute of Head and Neck Oncology, Indore, India.
- Shri S.D. Mishra, Medical Physicist, Indian Institute of Head and Neck Oncology Indore, India.



Pic. of Cobalt Unit II



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# INSTITUTE OF CARDIOLOGY AND RESEARCH CENTRE

**Address:**
Civil Hospital Campus,
Ahmedabad-16

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Registered Society |
| Year of establishment | : | April, 1992 |
| Major objectives | : | The activities of the Institute are to promote the charitable object or objects or charitable purpose or ourposes which advance the well being of the people without distinction of caste, community or creed including the following services: |

(i) To undertake scientific research, services in the area of Cardiology and Cardiothoracic surgery.

(ii) To establish, operate, promote run, manage Institutions engaged in research service and education pertaining in the field of cardiology.

(iii) To establsh, maintain and assist service or research laboratories for scientific research.

(iv) To offer advice, publish and/or otherwise promote utilisation of research results in the field of Cardiology.

(v) To promote, develop and improve scientific exchange of knowledge as well as technical co—operation between similar research institutions.

(vi) To organise conferences, refresher courses, lectures seminars, demonstrations and exhibitions relating to the research done and results obtained.

(vii) To make available to other, techniques and materials developed as a result of research.

(viii) To do all acts, matters and things as are incidental or conductive to the attainment of the above aims and objectives or any one or more of them.

(ix) To print publish articles papers, reports, studies, journals etc, exhibit, subscribe and subsidies the periodicals, books, pamphlets or posters that may be considereed desirable for promotion of the



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objectives of the society, to establish, equip and maintain reference literaious and furnish them with books, reviews, magazines, newspapers and other publications relating to the field work of the society and make them available under suitable conditions to those who require their use.

Initial by DSIR recognition : February, 1993.

**Income and R & D expenditure**

(Rs. in Lakhs)

| | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| *Income* | | | |
| Donations Received | Nil | 53.87 | 10.20 |
| Grants Received | 382.15 | 95.63 | 87.10 |
| Other income (Tariff) | Nil | 10.72 | 17.80 |
| *Expenditure on R&D* | | | |
| • Capital : | 2.48 | 347.00 | 18.50 |
| • Recurring : | 82.15 | 88.37 | 92.00 |

**Infrasturctural facilities**

Land & Building : Area: 9300 Sq Meter

Value : Approx : Rs. 300 lakhs

Equipment facilities : Gross Value : Rs. 750 lakhs

List of sophisticated equipment

The Centre is well equipped with Sophisticated facilities like Digtimer Arrhythmics Investigator System, Cardiac output computer, Glucometer, Sphygmonometer Cardiac Fibrilator, Color Doppler Echocardiography unit & a host of other equipments.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | FRCP | — | 1 |
| | MS, Mch | 3 | — |
| Special Sciences and others | MD, DM | 2 | — |
| Total | | 5 | 1 |

Library facilities: Available

**Major achievements claimed:**

- Highlights of major studies Conducted by the instate are:
  - (i) Study of 1200 cases of closed mitral commissurotomy done for rueumatic mitral stenosis.
  - (ii) Study of 100 cases of patent ductus arteriosus managed surgically.
  - (iii) Study of surgical management of constrictive pericarditis.



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(iv) Study of 200 cases of pericardial effusion treated by aspiration or pericardiostomy operation.

(v) Study of clinical profile and surgical correlation in cases of pulmonary tuberculosis.

(vi) Study of clinical profile and surgical correlation in cases of bronchiectasis.

(vii) Study of Clinical profile of peripheral lower limp arterial occlusive disease & treatment Bypass grafting.

(viii) Study of subclavian artery obstruction due to cervical rip and surgical treatment by pass grafting.

(ix) Study of peripheral arterial aneurysms and their surgical treatment.

(x) Study of peripheral vascular injuries.

(xi) Study of anaesthetic management of 500 Open Heart surgery cases.

(xii) Study of anesthetic management of 1200 cases of closed mitral commissurotomy.

(xiii) Study of anaesthetic management of patent doctus arteriosus of controlled hypotension.

(xiv) Study of anaesthetic management of mitral valvotomy carried out on pregnant patients.

(xv) Study of anaesthetic management of high risk cardiac operation.

(xvi) Study of anaesthetic management of emergency cardiac operation Judicious use of sodium nitropruside infusion during open heart surgery.

(xvii) Study of the pattern of ventilatomy support requirement of the patients operated for Open Heart surgery.

(xviii) Study of the pattern of ventilatory support requirement of the patients operated for closed heart surgery.

(xix) Study of the management of post operative low cardiac output state.

(xx) Study of the anaesthetic management of pulmonary surgery cases using one-lung anaeshesia technique.

- Research papers/Reports Published — National level (16) — Internationals level (6)
- Seminars/Conferences attended/organised — Natilnal level (12) — International level (6)

**Name and Designation of Senior Researchers**

- Dr. T.K. Patel, Prof. & Director,
- Dr. Sukumar H, Mehta, Asstt. Prof. C.T. Surgery.
- Dr. Tejas M. Patel, Asstt. Prof. Cardiology.
- Dr. Varsha A Shah, Asstt. Prof. C.T. Surgery.
- Dr. Sameer I. Dani, Asstt. Prof. Cardiology.



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# INSTITUTE OF CHILD HEALTH & HOSPITAL FOR CHILDREN

**Address:**
Egmore,
Madras-600 008

## Background

Status of the SIRO : Institute of Child Health & Hospital for Children is part of Madras Medical College, Madras and affiliated to Tamilnadu Dr. M.G.R. Medical University.

Year of establishment : 1967

Major research areas:

i) Medical & Surgical Paediatrics.

ii) Cost effective methods of Patient care in both primary & territary levels.

iii) Innovative methods of Paediatric training for both Under-graduates and Post-graduates.

Initial recognition : June, 1995

## Income and R & D expenditure:

(Rs. in Lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* | | | |
| Donations Received | Nil | Nil | 0.20 |
| Grants received | Nil | Nil | Nil |
| Other income | Nil | Nil | Nil |
| *Expenditure on R&D* | Nil | Nil | Nil |
| • Capital | Nil | Nil | Nil |
| • Recurring | Nil | Nil | Nil |

## Infrastructural facilities:

Land & Building: Area : 20235.50 M² Value : Rs. 128.26 lakhs
Equipment facilities: Gross Value: Rs. 200 Lakhs (Approximately)

List of sophisticated equipment : More than 62 items of specialised equipment available in the Institute including Heart-Lung Machine, Ventilators, Monitors, Blood Gas Analyser & Sonography.

R & D Manpower:

| | Qualification | Full Time |
|---|---|---|
| Scientific & Technical | M.D., D. Ch. | 35 |
| | M.S., M.Ch. | 18 |
| | M.D., D.A. | 10 |
| | M.S., Ortho. | 4 |
| | M.S., D.L.O. | 4 |



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| | |
|---|---|
| Super Specialities | In various departments like Cardiology, Neurology, Post-Graduates |
| Social Sciences and others: | 8 |
| Total | 111 |

Library facilities:

A full time Librarian with all the important Paediatric Journals available at I.C.H. & Hospital for Children apart from Library facilities available at Madras Medical College and Tamil Nadu Dr. M.G.R. Medical University.

- Research Papers/Reports Published:

More than 162 Research papers were presented/Publised in the last 3 years.

- Seminars/Conferences/CME Programme Attended/Organised:
  *Conferences Organised* :

  i) National Nephrology meet

  ii) Indo-US Paediatric update-Nov. 94

  iii) National Nutrition meet-Aug. 94

  iv) National Gastroenterology meet-Aug. 94

  v) Practical Paediatrics meet-Feb. 94

- *Conferences Attended:*

National & Regional Conferences of IAP and all other subspecialities by the respective departmental staff.

Every week CME Programme is organised in different topics.

Clinical meeting conducted every month.

- Any other:

1. Celebrating Silver Jubliee Year of ICH & HC with continuous CME Programmes & Community Programmes
2. Chief Minister's free cardiac surgery programme is being implemened.
3. Rural community work at Kolli Hills, Arakkonam & Kanjeevaram.

**Name and Designation of five Senior Researchers:**

- Dr. Merlyn C. Joseph, Professor of Cardiology & Director & Superintendent, Institute of Child Health and Hospital for Children, Madras-600 008.
- Dr. N. Deianayagam, Prof. of Paediatric Medicine.
- Dr. C.K. Annamalai, Prof. of Paed. Surgery.
- Dr. V.S. Sankaranarayanan, Prof. of Paediatric Gastroenterology.
- Dr. N. Somu, Prof. of Paed. Pulmonology.



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# INYS MEDICAL RESEARCH SOCIETY

**Address:**
16th Km. Tumkur Road,
Bangalore-560 073.

## Background

Status of the SIRO : INYS Medical Research Society is a charitable society registered under Karnataka Societies Registration Act, 1960 (Karnataka Act No. 17 of 1960) on 3.2.1984.

Initial recognition as SIRO : Initially approved by Department of Science & Technology, New Delhi on 26.3.1984.

## Income and R & D expenditure

*(Rs. in lakhs)*

| *Income:* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received: | 175.20 | 0.20 | 12.00 |
| Grants Received: | Nil | Nil | Nil |
| Other Income: | 19.40 | 46.72 | 52.35 |
| *Expenditure on R&D:* | | | |
| • Capital | Nil | Nil | Nil |
| • Recurring | 18.17 | 19.93 | 22.93 |

**Infrastructural facilities:**

Land & Building : Availing the facilities of Institute of Naturopathy & Yogic Sciences, Bangalore

Equipment facilities/
Gross Value : Rs. 57.58 lakhs

List of sophisticated equipment:

- X-ray Unit
- Underwater massage, arm bath and hip bath unit
- Massage apparatus
- Mora colour therapy unit
- High frequency therapy extra unit
- S.T. 460 electronic spiro analyser
- ECG Unit
- S.O. Microscope
- Treadmill
- Life scope 9 monitor
- Blood gas analyser
- Pulse oximeter with accessories
- Ultrasound scanner/stabliser/Isolation transformer
- Soft Laser Therapy Equipment
- Magnetotron
- Compact Analyser Photometer
- Facial Sauna



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R & D Manpower:

| | *Qualification* | *Full time* | *Part time* |
|---|---|---|---|
| Scientific & Technical | 11 | 9 | 2 |
| Social Sciences and Others | 13 | 13 | — |

Library Facilities : Availing the facilities of Library of Institute of Naturopathy & Yogic Sciences.

**Major achievements claimed** : The society has studied the following number of cases till 1994-95 since 1980.

| | | |
|---|---|---|
| Bronchial Ashtma | — | 607 |
| Diabetes Mellitus | — | 233 |
| Hypertension | — | 71 |
| Arthritis | — | 246 |
| MCRF | — | 240 |
| Migraine | — | 10 |
| Rhino-Sinusitis | — | 16 |

**Bronchial Ashtma:** Asthma is one of the common pychosomatic illness influenced by the factor of allergy. The patients complaints of difficulty in breathing of Paroxysmal wheezing type apparently due to diminition in the bronchial lumen which may be caused by Bronchial obstruction, muscular spasm, vascular engorgement, oedema or inçreased secretion. The treatment is a holistic approach and an inpatient treatment comparison with the standard regimes of treatment becomes impossible. Hence it was planned to have a self-controlled matched study.

There was significant decrease seen in pulse rate, respiratory rate denoting the improvement in depth of the breathing, PEFR reading has increased, absolute esinophil count found reduced.

Radiological assessment shows moderate improvement and there were no worsening patients were off medication by the 3rd day.

**Arthritis:** Patients to Osteo & Rheumatoid Arthritis have shown significant improvement as evinced by reduction in swelling, pain, stiffness and improvement in the ability to walk for longer distances with no medication or decreased dosage.

**Multiple Coronary Risk Factors:** The risk factors are obesity, hypertension, hyperlipidemia, diabetes mellitus, smoking and family history are the byproducts of negative life style having serious repurcussions on health by becoming major health hazards and at times fatal.

**Hypertension:** Hypertension is called high blood pressure and to know literally is rise of blood pressure than the normal. The normal level differs as per age, sex, teperament etc. However, B.P. more than 140/90 mm of Hg is considered as high blood pressure.

There as a significant reduction in blood pressure reading, bodymass index was found reduced and cholestrol level was reduced markedly on discharge.

**Fasting:** Scientific study on fasting as a treatment modality were done. Fasting is to abstain from food while one posseses adequate body reserves required to maintain normal functions of the body. Fasting should be distinguished from starvation. Whereas starvation is to abstain from food after one's reserve food stores get completely exhausted. Fasting is a eliminative phase of dietary therapy. It showed a decrease in weight.

**Rhino-Sinusitis:** Role on Naturopathy and Yoga in cases of Rhino-Sinusitis were studied in 1994-95 scheme.



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**Treatment Modalities:** Naturopathy & Yoga is a drugless system of treatment. It consists of Dietary therapy, Yoga therapy, Hydrotherapy, Mud therapy etc.

The dietary theraphy spread over 3 phases

(i) Eliminative Phase: During this phase patient is only on juices and water (only liquids). This may last from 3-7 days depending on condition of the patient. Fasting is broken ideally when the tongue coating is cleared and hunger returns.

(ii) Soothing Phase: The diet during this period comprises of fruits, vegetables, salads and soup.

(iii) Constructive Phase: Modified balanced diet consisting of cereals, boiled/steamed vegetables, sprouts etc., is gradually introduced.

The yogic therapy comprises of Kriyas, Pranayama, Asanas and Yoga Mudra.

Hydrotheraphy is given with the help of water in different temperatures.

The INYS Medical Research Society is striving hard to propogate the Naturopathy & Yoga among suffering masses to avert complications of the disease, medicine and help them to lead healthy life.

**Names of five Senior Researchers**

- Dr. K.S.S. Bhat
- Dr. Sathya Prabha
- Dr. Sambasiva Rao
- Dr. Altafur Rehman
- Dr. Latha

High Frequency Therapy plus Extra Unit



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# JASLOK HOSPITAL & RESEARCH CENTRE

**Address:**
15, Dr. G.S. Deshmukh Marg
Bombay-400 026

## Background

Status of the SIRO : Public Charitable Trust

Details of recogination by DSIR : Recognised vide Lic No. 14/46/88-TU.V. upto 31.03.1996.

## Income and R & D expenditure

*(Rs. in lakhs)*

| *Income* | *1992-93* | *1993-94* | *1994-95** |
|---|---|---|---|
| Donations Received: | 151.28 | 196.85 | 316.65 |
| Grants Received: | - | - | - |
| Other income : | 125.70 | 136.56 | 143.30 |
| *Expenditure on R & D* | | | |
| • Capital : | 1.80 | 17.17 | 440.00 |
| • Recurring : | 72.90 | 92.50 | 101.75 |

## Infrastructural facilities

Land & Building : Rs. 198.33 Lakhs (1993-94)

Equipment facilities : Gross Value : Rs. 1162.25 Lakhs (1994-95)

List of sophisticated equipment:
—Ultrasound machine
—Ventilator
—Phaeco emulsification System
—CT-Scan with Spiral.

## Major achievements claimed:

- Research achievements

(i) Study of adenosin deaminase levels in serum and serous fluids to establish a diagnosis screening test in various types of tuberculosis.

(ii) A detailed study of serum L (a) in patients with coronary artery disease, cerebrovascular disease, diabetes mellitus and quantitation of apo (a) and apo B in aortic wall of patients undergoing ABG surgery.

(iii) The determination of serum trace elements in cases of squamous cell carcinoma and acute myocardial infarction.

(iv) Introduction of Botilnum toxin for clinical use in india for treating focal. Dystonic disorders.

(v) Monograph on Kidney Biopsies:

Evaluation of 3000 kidney biopsies done at Jaslok Hospital with a view to classifying the lesions and studying the prognosis of lesions is the plan of this study.

- Seminars and Conferences

Cater to lecture series to General Practitioners Association, CME Programmes for Residents in Neurology, Gynaecology, Cardiology, Opthamology, Dermatology, Gastroenterology, Nephrology, Psychiatry and Nurses in service education. Hospital infection seminars, critical case symposium. Seminar on usefulness of Nuclear medicine, Workshop on Angioplasty, I.V.F. and Endoscopy. Besides the above, weekly clinical meetings with interesting case presentations are regular features at the hospital.



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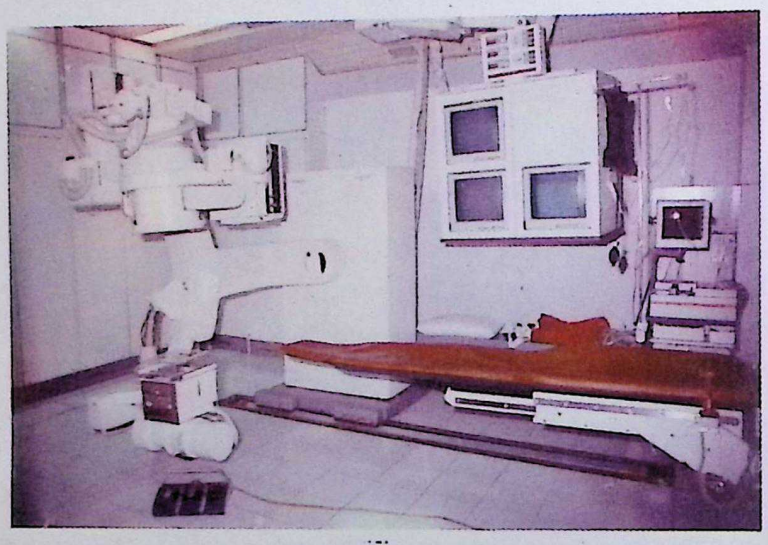
Library

Hospital library contains books and journals related to medical and allied Sciences. It has 2000 books, 5000 bound volume of journals. Subscribes to 80 medical journals annually, most of these journals are published abroad.

**Name and Designation of Senior Researchers**

- Dr. R. D. Lele
  Director of Nuclear Medicine
- Dr. G.S. Sainani
  Hon. Consultant Physician
- Dr. Indira Hinduja
  Hon. Consultant
  Gynaecologist & Obstretician
- Dr. N.H. Wadia
  Director of Neurology
- Dr. H. G. Desai
  Hon. Consultant
  Gastroenterology



D.S.A. Equipment

Spectrum Biochemistry Autoanalyser



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# KAIVALYADHAMA SHRIRAM MADHAVA YOGA MANDIRA SAMITI (SMYM)

**Address:**
Kaivalyadhama Post,
Lonavala-410 403,
Dist. Pune

## Background

Established in 1924 as Kaivalyadhama Ashram and in 1944 as Kaivalyadhama S.M.Y.M. Samiti.

Conducting research in the area of Yoga, Literary, Scientific and Therapeutic and imparting training in Yoga.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received (100% Exempted) | 2.40 | 1.05 | 0.031 |
| Grants Received (Recu.,) G.O.I | 6.00 | 5.94 | 6.00 |
| (Recurring) State Govt. | 1.50 | 1.49 | 1.50 |
| Capital—Govt. of India | 2.36 | 0.26 | — |
| Other income (Recurring) | 0.29 | 0.13 | 0.18 |
| Deficit (Recurring) | — | 1.55 | 2.33 |
| *Expenditure on R & D* (100% Exempted) | 2.81 | 0.086 | 0.069 |
| • Capital | 2.95 | 0.33 | 10.01 |
| • Recurring | 9.23 | 9.18 | NIL |

## Infrastructural facilities

Land & Building : Land : Rs. 0.054 ; Bldg. Rs. 33.74

Equipment facilities : Gross value : Rs. 111.64 Lakhs

List of sophisticated equipment

— Computerised Frequency Analyser
— Medspiror
— Treadmill
— Spectrophotometer
— 8 Channel Polygraph
— Computer and Accessories
— Bicycle Ergometer

R & D Manpower :

| | Qualification | Full Time |
|---|---|---|
| Scientific and Technical | Doctorates | 2 |
| | Post Graduates | 5 |

Libraty facilities : Adequately available

## Major achievements claimed

- Technologies developed and transferred for upscaling :



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- Performing Hathayogic asanas by using Patanjalian principles of asans:

For achieving a conflict state of well being, stability and for having the conciousness spread over the infinite, as required by Patanjalian concept of asana a simple technique has been discovered which may bring forth greater psycho-physiological effects, accrued from the practice of Hathayogic asanas.

- New techniques/methodology developed and implemented :

A simple technique of meditation, based on the technique described in Shiva Samhita has been evolved and has been given to over 1000 persons of all age groups in India, Germany and Korea (South). The technique has been found to be immensely useful in treating Insomnia, Migraine, Depression, Lumbar pain, Hypertension and alcoholism. When used in Germany on over 100 patients of Hypertension and Lower back pain, 66% of the patients showed a significant improvement. Alcoholics of Bajaj Auto Group (Pune) have also shown encouraging results.

- Research papers/Reports published : 8
- Seminars/Conferences attended/organised :
  - (i) Conducted two workshops at "YOGA CONGRESS" Nov., 12-14, 1993, Leipzig, Germany.
  - (ii) Conducted training programme in yoga for 100 patients of Hypertnsion and Lower-back at Berlin, Oct., 15—Nov. 7, 1993. The programme organized by Freie University, Berlin (Germany).
  - (iii) Conducted a ten-day seminar on "Yoga at Seoul" (Korea), July 22,—Aug., 1, 1994 (Delivered 21 lectures)
- Attended : 2

**Name and Designation of Senior Researchers :**

- Dr. (Miss) Rajnaja Abhang, Asstt. Director of Research
- Shri M.M. Gore, Research Officer (Physiology)
- Shri D. D. Kulkarni, Research Officer (Bio-chem)
- Dr. T.K. Bera, Research Officer (Phy. Edn.)
- Shri R.S. Bhogal, Research Officer (Psychology)

Experiment to investigate Electrophysiology of Yoga practices



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# KAMLA NEHRU MEMORIAL HOSPITAL

**Address:**
Hashimpur Road,
Allahabad-211 002

## Background

Status of the SIRO : Voluntary Institution established in 1941.

Major objective : To provide medial assistance to poor, downtrodden, under privileged suffering people of Allahabad city and its neighbouring areas. Hospital works in the speciality of Maternal & Child Health & Cancer.

Major research area : Obstetrics & Gynaecology, Neonatology, Cancer, Pathology Radiodiagnosis, Social Medicine.

Initial recognitation : 1992

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | 0.02 | 0.10 | 0.097 |
| Grants U.P. Govt. | : | 33.08 | 42.60 | 41.0 |
| Grants, Govt. of India | : | 7.00 | Nil | Nil |
| Others | : | Nil | Nil | Nil |
| Income from Hospital Services | : | 81.85 | 85.46 | 92.98 |
| *Other Income* | : | 1.94 | 2.54 | 3.93 |
| *Expenditure on R&D* | : | Nil | Nil | 4.81 |

## Infrastructural facilities

Land & Building : Area: 31.65 Acres;
Value: Rs. 6.70 Lakhs

List of sophisticated equipment :

- — Theretron 780°C
- — Selectron LDR
- — Janus 60 Cobalt
- — Rt-3000 Ultrasonographid machine
- — Whole Body CTW 700 (Hitachi make CT Scan)
- — X-Rays Units
- — Fetal Monitor
- — Elisa Reader

R & D Manpower :

| | Qualification | Full time | Part time |
|---|---|---|---|
| Science & Technical | Doctorates | 1 | — |
| | Post Graduates | 27 | — |
| | Graduates | 8 | — |
| | Diploma Holders | 3 | — |

## Major achievements claimed

- Technologies developed andtransferred for unscaling/ commercialisation



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Developed an 'All Purposes CT Phantom' and is under active analysis at BARC, Bombay for field trial.

- New Techniques/methodologies developed and implemented

1. Development of Radiotherapy treatment planning data (CT based) for utilization in designing of 3D CTPS.
2. Radiation biologically significant data for mathematical modelling in response study of Radiotherapy.
3. Specialised clinical dosimetry of Remote Control Brachy-therapy sources.

- Research papers/Reports Published : 18
- Seminars/Conferences attended/Organised : Attended: 14; Organised

Seminars/Conferences Organised in

(i) 'Heart Disease in Pregnancy' Panel Discussion, May 1994.

(ii) 'Baby Friendly Hospital Initiative' Orientation Meeting, Aug. 26, 1994.

(iii) Seminar cum Workshop on Rural Health Programme' NGOs meet, Dec. 16 & 17, 1994.

**Name and Designation of Senior Researchers**

- Dr. Raj Baveja, Medical Superintendent
- Dr. B. Paul, Sr. Radiotherapist
- Sri S.P. Mishra, Sr. Medical Physicist
- Dr. S. Khanduja, Asstt. Radiologist
- Dr. Kavita Agarwal, Social Scientist
- New Technologies/Methoelogies Developed and implemented at Kamala Nehru Memoriat Hospital, Allahabad



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# KAMAYANI PRASHIKSHAN & SANSHODHAN SOCIETY

**Address:**
Kamayani Prashikshan
& Sanshodhan,
Pune.

## Background

Status of the SIRO : Registered Society

Year of establishment : December, 1964

3) Major objectives:

i) To provide work and institution to boys and grils with defective or retarded mental development with the view to give them some status in the society by making them conscious of the fact that they are also earning members of society;

ii) To establish and run schools, institutions, units and branches to achieve and fulfil the above objecvtive.

iii) To co-operate with other socities or Associations working in the same field.

iv) Totrain workers, teachers for the field of the Mentally handicapped.

v) To study and conduct research in the field of the Mentally handicapped

vi) To offer advice and assist such institutions and persons working in the field.

vii) Tenerally to do all such things as are incidental and condusive to the attainment of the above objects or any of them.

Major research areas:

Major research area in Kamayani Research unit is the Mental Retardation. Every year the research projects are conducted which cover various areas like medical, physiological, Psychological, emotional problems of Mentally handicapped. The pioneer research conducted in Research unit forms the basis of many programmes and projects initiated in Kamayani to make the Mentally handicapped more self relient. Kamayani Research unit conducted a research project titled "A project to explore hidden potentials amongst Mentally Retarded children" Under this project a method of creative task was evolved. Subjects were judged on their performance on these creative tasks. This enabled to get the clue to the hidden potentials, aptitude for several crafts among Menally Retarded children.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 4.98 | 4.93 | 1.25 |
| Grants received | | | |
| Other income | | | |
| *Expenditure on R & D* | | | |
| • Capital | Nil | Nil | Nil |
| • Recurring | 0.046 | Nil | 0.018 |

## Infrastructural facilities

Land & Building : School Building is being used

Equipment facilities : Gross Value : Rs. 0.15 Lakhs approx.



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Library Facilities

School library books are being used for the references.

**Major achievements claimed:**

i) During past 3 years several Research projects have been conducted such as—

1) Study of participation in compatiative games in social relations skills and competance among Mentally Retarded.
2) Study of children having speech problems.
3) Relationship of Mentally Retarded children with their normal siblings.
4) Pilot study on exploration of hidden talents and potentialities.
5) Urban Slum services for Mentally handicapped.

ii) The research unit has specially for Mentally Retarded girls prepared the slides on the problem of "Menstruation". The simple slides have been made by consulting the Psychiatrists, teachers, Gyanecalogists. The slides cover topics like what is menstration, What care should be taken during menstruation, ill effects of if the care is not taken by the girl during her Menstrual cycle properly. The slides are aided with audio comentary and hence proved tremendously useful.

iii) This is a pioneer work in this field which gives the direction in handling a particular Mentally retarded child.

Further research is under progress and specially designed creative tasks, have been introduced in the school to see the results.

iv) *Conference Attended:*

The social worker from Kamayani research unit attended conference held in Pune. The title of the conference-Marathi Manashstra parishad-1993.

**Name and Designation of Senior Researchers**

- Smt. Sindhu Joshi — Chairman
- Smt. Asha Deshpanede — Social Worker





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# KARNATAK CANCER THERAPY AND RESEARCH INSTITUTE

**Address:**
Navanagar, Hubli-580 025.
Karnataka, India.

## Background

Status of the SIRO : Registered Society

Year of establishment : 1978

Major objectives : To bring out, encourage, develop and engage in cancer research and inventive activities and to afford opportunities for research work in cancer.

Major research areas : Oncology: Ca Breast, Ca-cervix, Ca-Oral cavity, Ca-Oesophagus, Thyroid and Keloid.

Initial recognition by DSIR : 1985

## Income and R & D expenditure

*(Rs. in lakhs)*

| Income: | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received: | 12.15 | 8.21 | 17.64 |
| Grants Received: | — | 20 | — |
| Other Income: | — | — | — |
| *Expenditure on R&D:* | | | |
| • Capital | — | 80.48 | — |
| • Recurring | 3.53 | 9.15 | 5.76 |

## Infrastructural facilities:

Land & Building : Value : Rs. 3.15 lakhs

Equipment facilities/ : Gross Value : Rs. 95 lakhs

List of sophisticated equipment:

— Cobalt 60 Teletherapy Unit
— Brachytherapy Unit
— Computerised Treatment planning system.
— Surgical equipment
— X-Ray Units.
— Chemotherapy set up
— RIA Laboratory
— Ultrasound scanning Unit.
— Automatic Analyser

R & D Manpower:

| | *Qualification* | *Full-Time* | *Part-Time* |
|---|---|---|---|
| Scientific & Technical | Medical Post Graduates | 1 | 1 |
| Social Sciences and others | Post-Graduates | 1 | — |
| | Graduates | 1 | — |
| | Diploma Holders | 2 | — |

• Research Papers/Reports Published: 3

i) Role of adjuvant therapy in cancer breast.

ii) Neo-adjuvant chemotherapy and Radiotherapy in cancer oesophagus.



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iii) Chemotherapy in Non Seminomatous testicular tumour-our experience.

- Any other

i) Radio-immuno assay of thyroid hormones ($T_3$, $T_4$, TSH)

| | |
|---|---|
| Hyperthyroid | adult - 20 |
| Hypothyroid | adult - 22 |
| Euthvroid | adult - 53 |
| | Children - 6 |

ii) Ultrasound scanning of liver in ca-oesophagus. This has been carried out in 62 cases. Four cases showed metastasis in liver and Four cases has coeliac nodes and paraaortee nodes.

iii) Efficacy of combination of surgery and Radiation therapy in the treatment of cancer cervix II. Two Arm study Seventeen cases have been entered into each arm.

iv) Combination treatment of advanced squamous cell cancer of head and neck. Three Arm study. Six cases have been entered into each arm.

**Name and Designation of five Senior Researchers**

- Dr. R. B. Patil, Director & Chairman.
- Dr. S. G. Joshi, Director
- Dr. A. C. Deka, Medical Supdt.
- Dr. B. C. Deka, Medical Radiation & Medical Oncology.
- Dr. K. S. Datta, Head Oncopathology & Microbiology.

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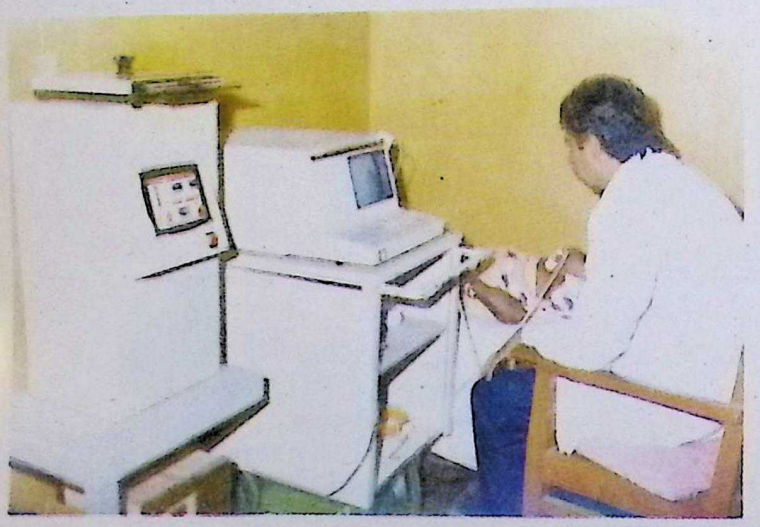
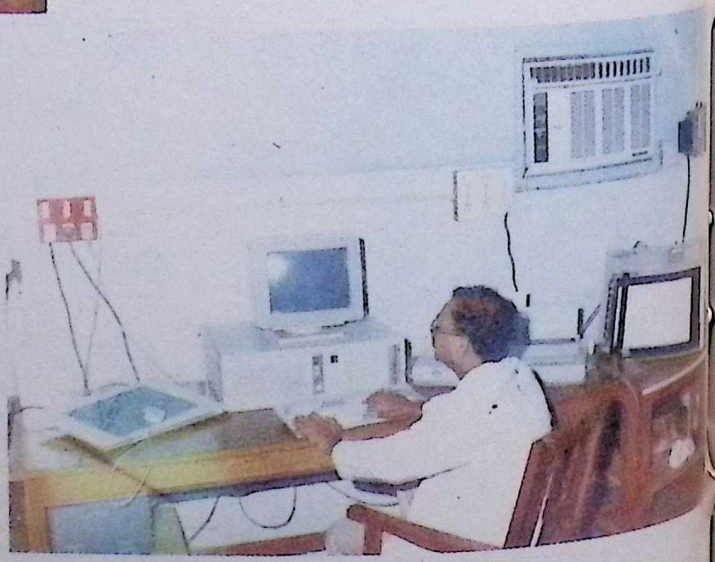


Ultra Sound Scanner



TSG Treatment Planning System



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# KCP NEPHRO-UROLOGICAL CENTRE AND RESEARCH FOUNDATION

**Address:**
C/o Pinnamaneni Poly Clinic,
60-9-10, Siddhartha Nagar,
Vijayawada-520 010, A.P.

## Background

Status of the SIRO : Registered Society under Societies Registration Act of 1860

Major objectives:

(i) To undertake scientific research in the field of nephrology, urology and their allied basic and applied sciences for better health care of the people suffering from diseases of the kidney and the urogenital tract by way of prevention, mitigation, diagnosis etc.

(ii) To undertake research programmes related to the above subjects for early diagnosis , prevention/care and treatment investigation clinical and laboratory in the field of nephrology, urology and their allied basic and applied sciences. The programme should be aimed at :

(a) To develop and assess new techniques aimed for reducing the cost of treatment, early diagnosis, prevention of suffering from diseases of the kidney and the urogenital tract.

(b) To develop and assess the efficacy of cheaper indigenous drugs/ newer medicine diagnostic reagents/equipments and various dosage schedules of known drugs for better diagnosis, prevention or treatment of commonly prevalent disease of the kidney and the urogenital tract.

(c) To study pattern of diseases affecting kidney and urogenitaltract ; to define the extent and the nature of problems posed by such diseases among Indian situations with a view to search the solutions for such problems.

(d) To develop and assess new instruments for early diagnosis ; treatment and care of patients with diseases of the kidney and the urogenital tract which result in substantial conservation of foreign exchange by way of import Substitution.

(e) To develop and assess new techniques/method of reuse of all imported disposable material used in the treatment of end stage diseases of the kidney and the urogenital tract so as to save substantial foreign exchange and reduce cost of treatment for such patients.

(f) To develop surgical techniques in the field of family planning related to infertility.

(g) To undertake and develop research and other allied activities in other specialities of medical field in course of time.

(iii) To strengthen the research and training capabilities in India for the early diagnosis, treatment and control of different groups of diseases affecting the kidneys and the urogenital tract.

Major research areas:

(i) "INFLUENCE OF SMOKING, ALCOHOL AND OTHER DRUGS IN VARICOCELE PATIENTS IN RELATION TO TESTICULAR FUNCTION, AUTACOID LEVELS AND CALCIUM CHANNEL REGULATION".

(ii) Prostatic Diseases : "STATUS OF PROSTATE GLAND AND



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PREVALENCE OF PROSTATISM IN INDIA".

(iii) Female Urology : "EVALUATION OF MODERN MANAGEMENT OF UROLOGIC STONE DISEASE IN INDIA".

(iv) Urolithiasies : "A STUDY ON THE PATHOPHYSIOLOGY AND COMPLICATIONS OF BLADDER OUTLET OBSTRUCTION IN FEMALE PATIENTS".

Initial recognition by DSIR : June, 1995

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | Nil | Nil | 0.085 |
| *Expenditure on R & D* | Nil | Nil | 0.078 |

**Infrastructural facilities**

Land & Building : Foundation is having the space 3560 Sq. ft. area leased by a non-profit organisation, K.V.M. Trust, Vijayawada. It consists of four beds in ICU four beds in general wards another four rooms in addition to a big Library.

Equipment facilities : Equipment and furniture worth of Rs. 5 Lakhs were purchased.

List of sophisticated equipment

Cardiac monitors, Defebillator etc.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | All Medical Post Graduates | 1 | 3 |
| Social Sciences & Others | | 4 | — |

Library facilities : The Library situated at Poly Clinic has 450 Text Books and 60 references books. A total of 15 journals are available from 1968. The Library is opened for 24 hours a day and on all days.

**Major achievements claimed :**

Foundation has worked on following Projects—

(i) Title : "LASER PROSTATECTOMY OR TRANSURETHRAL VAPORIZATION OF PROSTATE-ALTERNATIVE TO TURP ?

**Material & Methods :** During the last 5 months, 12 patients who were admitted with retention of Urine, were subjected to Laser prostatectomy with the SLT contact Laser. 5 Patients had Transurethral Vaporization of prostate with a (Roller Hall) Vaporotome electrode. The Cathter was removed on day Two in all these patients and their ability to void, flowrate and incidence of complications was noted.

**Results :** One patient on the Laser group had retention after catheter removal and had to be recatheterised. There was no post-



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operative bleeding and all patients were Emodynamically stable. All patients in the Vaporization group made an uneventful recovery. All the patients voided with flow rates of normal limits and no residual urine.

**Conclusion :** Though this is a small pilot study with both the groups doing well, the Vaporization procedure is attractive as it entails no further cost on equipment as the routine electro cautery can be used with just the addition of the rollr ball electrode. However a larger series and more experience with the above are needed.

**Material Methods :** were studied 20 patients who were being evaluated for Signs and symptoms of stricture. In all patient Urine analysis and Uroflowmetry were done prior to Sonourethrography. Retrograde Urethrogram was performed as a standard study and for comparison. Later on urethroscopy was done for confirmation.

**Results :** It is accurate in assessing length, depth and Periurethral fibrosis. It provide 3 Dimensional Evalution, and there is no risk of Radiation hence can be repeated oftenly particularly for followup.

**Summary :** Sonourethrography can be a primary tool for investigation of stricture Urethra patient.

(iii) Title : SPERM HEAD ABNORMALITY IN VARICOCELE PATIENT

**Material & Methods :** 30 patients were evaluated clinically and grouped into 3 groups according to size of varicocele. Semen analysis was done according to W.H.O. mannual.Hormone essay was done in 30% of patients by Rdio immune assay.

**Results :** The presence of normal spermatozoa was found to be very low (17%) than the control group (more than 35%). The head abnormality was observed in very high percentage of patients, (60%) Most of the head abnormality consisted of large amorphous round headed spermatozoa and some with cytoplas mic droplets. Mid piece and tail abnormality in 26.5% & 7.4% was seen respectively. In 30% hormonal studies done revealed the hormonal levels within normal limit.

**Summary :** Higher percentage of patients with varicocele showed abnormal morphology of the Head of the sperm. An unique finding which was not reported in the literature was finding of large Amorphous head abnormality of psermatozoa. Anothr interesting finding was, the grade of the Varicocele is inversely proportional in its effect on the abnomality of the morphology of sperm. More studies may throw light on this aspect of infertility in Varicocele patients.Off. Copy (i), (ii) & (iii) of 4 of Ann. A published :

- Research Papers published : 3 Research Papers were submitted to be read at Annual Conference of Urological Society of India to be held at Bangalore in January, 1996. The copies were enclosed.
- Seminars & Conferences : Dr. C. NAGESWARA RAO, attended South Zone chapter of Urological Society of India meeting at Kodaicanal and chaired a Scientific session. Dr. ASHISH TAWDE and DR. C.



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NAGESWARA RAO presented a paper on LaparoScopic Varicocele Ligation.

DR. C. NAGESWARA RAO also attended a West Zone Chapter of Urological Society of India meeting held at Goa and conducted Quiz for all the delegates.

**Name and Designation of five Senior Researchers :**

- Dr. C. NAGESWARA RAO,Professor of Urology.
- Dr. (Mrs.) C. SUDHA, Director,Pinnamaneni Poly Clinic.
- Dr. K. SUBRAMANAYAM,Urologist, Pinnamaneni Poly Clinic.
- Dr. K. SAMBASIVA RAO, Scientist
- DR. R. SASANK,Pathologist.



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# K.E.M. HOSPITAL RESEARCH CENTRE

**Address:**
Rastapeth,
Pune-411 011.

## Background

Status of the SIRO : K.E.M. Hospital Research Centre has been registered in 1985 under the Societies Registration Act of 1860 No. Mah/1973/85 Pune and also registered under the Public Trusts Act No. F. 2866 in July.

Year of establishment : 1973

Major objective :

(i) To undertake, scientific research in the areas or bio-medical science, technology, rehabilitation, primary health care services, development of formal and informal education methods.

(ii) To provide research facilities for carrying out basic and applied research in connection with bio-basic medical system and disciplines, such as traumatology, orthopaedics, community medicine, physical medicine, rehabilitation, etc.

(iii) To establish, operate, run, maintain, manage institutions engaged in advancement of research pertaining to health and bio-medical science technology.

(iv) To conduct experiments and to undertake and carry on research experiments and tests related to the concerned research disciplines.

(v) To establish, provide, maintain and conduct or assist reaserch laboratories and experimental institutions for scientific research..

(vi) to give advice on, publish and/or otherwise promote, utilization of research results in the field of medical sciences.

(vii) To promote, develop and improve scientific exchange of knowledge as well as technical cooperation between research institutions with similar interest and objects.

(viii) To conduct conferences, refresher courses, lectures, seminars, demonstrations and exhibitions relating to the research done, knowledge generated and results obtained.



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(ix) To make available to others, techniques and materials developed as a result of research.

(x) To do all acts, matters and things as are incidental or conducive to the attainment of the above aims and objects or any one or more of them.

Major research areas : Field operational Research and Health care delivery, Health Education, Clinical and Laboratory Research.

Initial recognition as SIRO : April, 1973

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 38.96 | 13.74 | 11.70 |
| Grants received | 40.19 | 66.47 | 109.94 |
| Other income | 16.73 | 18.69 | 26/89 |
| *Expenditure on R & D* | | | |
| • Capital | 3.08 | 62.36 | 59.76 |
| • Recurring | 46.72 | 52.99 | 92.04 |

**Infrastructural facilities**

Land & Building : Value : Rs. 40.85 lakhs

Equipment facilities : Gross Value : Rs. 167.84 Lakhs.

List of sophisticated equipment :

— Refrigerated Centrifuge
— Deep Freezers
— Laminar flow Cabinet
— CO2 incubator
— Inverted Microscope
— Micro Hematocrit
— Akola ultrasound scanner
— Topcon funds camera
— Elctronystamograph

R & D Man Power

| | Full time |
|---|---|
| Scientific & Technical | 43 |
| Social Sciences & Others | 157 |

Library facilities : All important publications connected with area of Research with which the K.E.M. Hospital Research Centre is involved in is available in KEM Hospital Research Centre library. It includes books, magazines, reports, other publications etc. The KEM Hospital has a full fledged library which is available for Research Staff.



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**Major achievements claimed**

- Achievements on various Research projects:

(i) Initially the research activities were mostrly confined to clinical research such as gastric mucosal stripping, tobacco amblyopia, vitiligo, etc. With the launching of the Vadu Rural Health Project by the KEM Hospital, Pune in 1977 the stage was set for starting fie!d operations research. The first such project was the Khosla Research Project started in 1978, which aimed at testing the hypothesis that with the qualitative and quantitative improvement in health care services the acceptance of family planning will improve. This was followed by the Dayal Project under which a well eqipped Neonatilogy Centre was established for providing Level III care in support of the Primary Health Care activities organized at Vadu Rural Health Project. As a further logical step, a research project was taken up in 1980 with the support of Ford Foundation to test the replicability/ multiplicability of Vadu Rural Project experience in the neighbouring two Primary Health Centres. Subsequently the Human Reproduction Research Centre, (HRRC) got established in KEM Hospital Pune in 1984 under the aegis of the Indian Council of Medical Research (ICMR), New Delhi. The Centre has since been involved in testing contraceptives and abortifacients for ICMR. In the meanwhile the KEM Hospital Research Centre got registered as an independent Society (under the societies registration act of 1860) in the year 1985. A series of research projects came to be taken up by the KEM Hospital Research Centre mainly in the field operations research and clinical research,

These research projects are funded by national and international agencies such as WHO, UNICER, USAID, Population Council, Wellcome Trust and Medical Research Council (U.K.), ODA & IMPACT Foundation (U.K.), Karolinska Institute (Sweden), ICMR etc. Even so, the Research Centre has been following a policy of promoting Clinical research projects/ studies from its own funds initially. If and when these projects/studies reach a stage whete important/interesting leads are forth-coming, whcih need larger funding, they are submitted to national and international agencies for funding.

(ii) Over the year it has expanded its research activities to field operational and laboratory research in addition to clinical research. In this process of development the focus has always been on applied research with a view to finding feasible solutions to some of the current problems faced by the community in health, particularly of women and children, and health care delivery. This is being attempted thorugh micro-level studies and pilot projects. While doong this continuity is being maintained. Thus, the Low Birth Weight Project to follow the growth and development of the chort. The IMPACT (integrated project on prevention, early detection and control/management), which was a feasibility study carried out in a limited area and population under the aegis of ICMR-WHO, is now being continued as an intervention study covering the wholé of Pune district. The quality evaluation of MCH and Family Planning services carried out earlier by ICMR (HRRCs) is now being continued as an intervention study, with new-born care added to it. The Women's Leadership Project of WHO is now being used as a base for developing and operationalising through primary health care approach, the Safe Motherhood and Abortion project under the sponsorship of Ford Foundation. The WHO Maternal Mortality study



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now being carried out is closely associated with these studies. The Women's Health and Development Project, originally initiated as an ICMR Project, is now being expanded and continued as a training and development activity with funding from The JRD Tata and Thelma Tata Trust. Production Units are being established which are going to be attached to the Women's Development Centres with assistance received from ICICI.

(iii) Several studies started earlier by the Paediatric Department with investigation of childhood diseases like Indian Childhood Cirrhosis, Chronic Liver Disease etc., have gone on to include growth and development of Low Birth Weight babies, infant and treatment of specific childhood diseases. The feasibility study of RU 486 and prostaglandian initiated under the aegis of Population Council (NY) is now being continued as an intervention study covering urban and rural areas. The Norplant Study, the study on cafetaria approach through counselling, the district project on improving quality of contraceptive services rendered at Primary Health Centre & Community Health Centre level—all initiated by ICMR; fall under the ambit of family planning, a national priority. The study on defining the profile of Indian diabetes has led to the establishment of the Diabetes Diagnostic and Treatment Centre having a strong research component. Other research studies carried out by the Research Centre are directly related to improving efficacy and quality of health care services.

**Names of Senior Researchers**

- Dr. Banoo J. Coyaji
- Dr. C. S. Yajnik
- Dr. Kurus Coyaji
- Dr. Anand Pandit
- Dr. V. N. Rao



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# KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY

**Address:**
Kidwai Memorial Institute of Oncology,
Hosur Road,
Bangalore-560 029

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Registered society |
| Year of establishment | : | 1973 |
| Major research area/ Major objectives | : | Cancer Care & Research |

## Income and R & D expenditure

*(Rs. in lakhs)*

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | — | — | — |
| Grants Received | 654.76 | 671.09 | 888.23* |
| Other income | — | — | — |
| *Expenditure on R&D* | | | |
| • Recurring | 649.66 | 668.56 | 734.74* |

*Provisional

## Infrastructural facilities

| | | |
|---|---|---|
| Land & Building | : | Area : 26 acres. |
| Equipment facilities | : | Gross Value : Rs. 1800 lakhs |

List of sophisticated equipment

The centre is well equipped with sophisticated equipments such as CT Scan, CCX Autoanalyser, Blood cell counter, Gamma Cameras, Ultra Sound imaging equipment, fast medical scanner and a host of other facilities.

R & D Manpower:

| | Qualification | Full time |
|---|---|---|
| Scientific & Technical | Post graduates & above | 153 |
| Social Sciences & Others (Post graduates/Degree/Diploma/Literates | | 586 |

Library facilities: The Library and Information Centre of Kidwai Memorial Institute of Oncology is housed in the ground floor of the main block and has an area of 3200 sq. feet. It has a collection of about 3000 text books, 2500 bound journals and 116 periodicals besides the International Publications of WHO, UICC, IARC etc., The library has introduced the C.D. Room facilities, MEDLAR Services through NICNET, DATA BASE, from NIC of USA.



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**Major achievements claimed :**

- Research papers/ Reports published : 14 Nos. during 1994.
- Seminars/Conferences attended/Organised : Attended 150 Seminars/Conferences & organised 6 National & One International Conference during 1994.

**Name and Designation of five Senior Researchers**

- N. Anantha, Director & Prof. & Head (Radiotherapy)
- Hema Sridhar, Medical Superintendent & Prof. & Head, Microbiology
- P.P. Bapsy, Prof. & Head, Medical Oncology
- P.S. Prabhakar, Prof. & Head, Surgical Oncology
- Eligebath Vallikad, Prof. & Head, Gynaecology



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# LIONS CANCER RESEARCH CENTRE

**Address:**
Government Medical
College Campus,
Majura Gate, Suart-395 001

## Background

Status of the SIRO : Institution Registered under Societies Registration Act, 1860.

Year of establishment : 1985.

Major objectives : Cancer Treatment, Cancer Research & Education.

## Income and R & D expenditure

*(Rs. in Lakhs)*

| *Income :* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received : | 1.00 | 2.39 | 0.55 |
| Grants Received : | — | — | — |
| Other income : | 2.14 | 1.11 | 0.79 |
| *Expenditure on R & D* | | | |
| • Capital : | 1.25 | 1.56 | 1.50 |
| • Recurring : | 0.85 | 0.81 | 0.95 |

## Infrastructural facilities

Land & Building Area Land 2000 Sq. Mtr Building 21877 Sq.ft.

Value : Rs.1.50 lakhs

Equipment facilities : Gross Value : Rs. 18.50 Lakhs

List of sophisticated equipment :

The centre is well equipped with sophisticated instruments such as x-ray machine, microtome, gamma camera, renograph, cobalt machine, radiation therepy planning computer and a host of other sophisticated facilities.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scinetific & Technical | Post graduates | 2 | 9 |
| | graduates | — | 3 |
| | others | 2 | — |

Library facilities:

Seperate facility available with qualified Librarian.

## Major achievements claimed:

a) Retrospective analysis of treatment, results and patterns and failures in Cancer of Pyriform sinus.
b) Experience of Re-irradiation in recurrent Cancers.
c) Preliminary experience with Interstitial brachytherapy using Irridium-192 wires.
d) Unusual metastasis of Oesophageal Cancer — A case report.
e) Distant metastasis in Cancer of Larynx — A case report.
f) Experience with treatment planning System — T.S.G. RADPLAN.



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ii) On-going Research Projects :

a) Assessment of radiation dose received by Critical Organs during Iridium implant in Head & Neck Cancers.

b) Software Programme for Interstitial Brachytherapy based on Paris System.

c) Preliminary experience with Endoplesiotherapy in Gynaecological Cancer using Iridium — 192 wires in Vaginal mould.

d) Interstitial implants in 2 sittings for 2 different positions in the target volume — A preliminary experience.

e) Dosimetry for Cancer Breast treatment planning using breast set up device.

f) Role of fine — needle aspiration cytology in the diagnosis of deep — seated tumors.

g) Epidemiological study of Oral Cancers and develop strategies for control.

h) Ascitic fluid Cholestrol in differential diagonosis of Ascitis.

i) Saliva substitute for use by irradiated patients of Head & Neck Cancers.

(iii) A Basic Cancer Research Project, titled Genetic predisposition of human Cancers in a defined population has been started in collaboration with Bioscience Department of South Gujarat University and M.D. Anderson Cancer Centre, Houston, U.S.A. Also the centre has developed a Software Computer Programme for the Dosimetry of Interstitial Brachytherapy, using Iridium-192 wire.

Four Trainees from Bhabha Atomic Research Centre undergoing Diploma in Radiation Physics underwent practical training.

Regular Orientation Programme for interns of government Medical college and Homeopathy College are also conducted.

iv) Cancer Control Programme: Due to the alarming increase in the incidence of Cancer and the realisation that 60-70% of Cancer are preventable, the government of India have launched the National Cancer Control Programme. The centre is a member of the State Cancer Control Board. The Government of India has approved their project for Cancer Control Programme in south Gujarat and sanctioned a preliminary grant of Rs. 5/- Lacs. During this year, they have planned to embark upon a Cancer Control Programme and have participated in several Cancer Detection Camps at different Rural Centres. In near future Medical Health Van, donated by the Centreal Office of the Life Insurance Corproation of India shall be acquired.

- Research papers/Reports Published : Two
- Seminars/Conferences attended/ organised : Conferences -2
  Semianr -1



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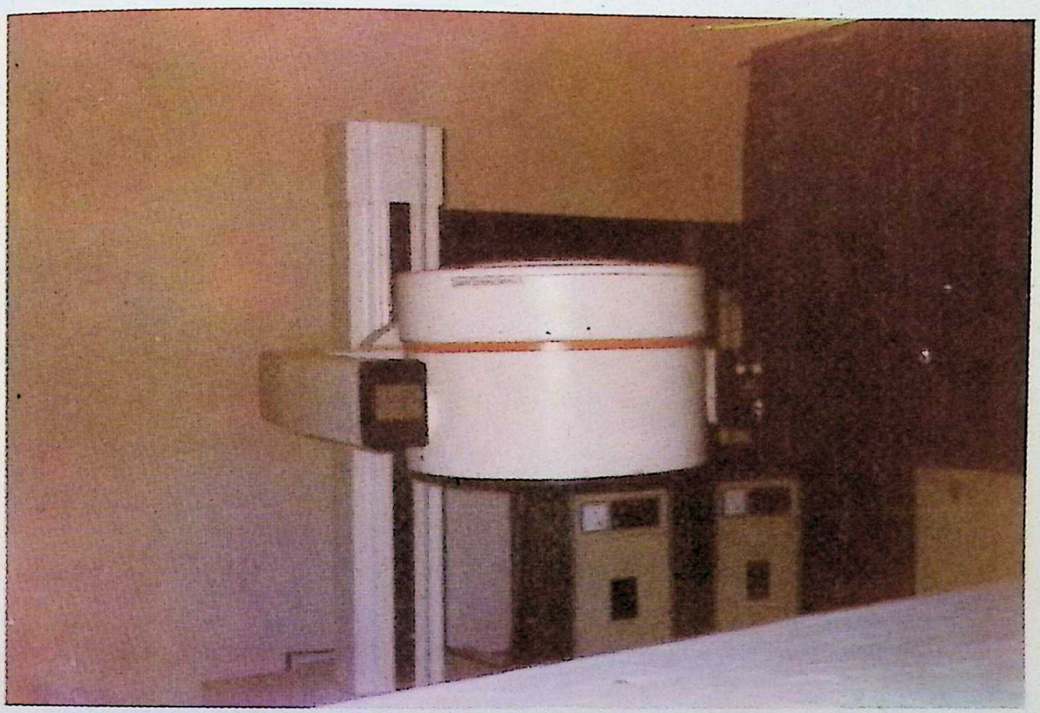
- Awards won : 'WHO' Palliative Medicine Award.

**Name and Designation of five Senior Researchers**

- Dr. S.P. Shrivastav, Radiologist
- Dr. Kausik Chatterjee, Radiologist
- Dr. J.R. Shah, Cancer Surgeon
- Dr. Ojas Desai, Cancer Surgeon
- Dr. K.C. Shah, Medical on Cologist



Detector Head of Gamma Camera



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# LOKMANYA MEDICAL RESEARCH CENTRE

**Address:**
314/B, Chinchwad,
Pune-411 003.

## Background

i) Lokmanya Medical Research Centre is functioning from 1982.

ii) Registered on 25-2-85, No. 344/1984-85 from Registrar of Society, Maharashtra as a registered Society.

iii) Obtained ICMR recognition, vide letter 18-3-81/Adm. II dt. 31-9-81 and DSIR initial recognition vide letter No. 14/3/88 T.V. (V) dt. 19-6-91.

## Income and R & D Expenditure:

(Rs. in lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income:* | | | |
| Donations Received: | Nil | 1.25 | 0.16501 |
| Grants Received: | Nil | Nil | Nil |
| Other Income : | 0.07841 | 0.16055 | 0.34280 |
| *Expenditure on R&D :* | Nil | Nil | 0.10 |
| • Capital: | Nil | Nil | 0.91192 |
| • Recurring: | 0.67090 | 0.60 | 1.70 |

## Infrastructural facilities:

Land & Building — Area : 27,500 Sq. Ft.
Value : Rs. 1.0 Crore

Equipment facilities : Gross Value: Rs. 85.00 Lakhs

List of sophisticated equipment :

The Centre is well equipped with sophisticated equipment like Haemoglobino—meter, Photo Electric Colorimeter, X-ray units, Muscle Stimulator, E.C.G.-Machine, Tread Mill Unit, Ultra Sonography unit and a host of other Sophisticated facilities.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Ph. D | — | 1 |
| Social Sciences and others | (Post Graduates) | 3 | — |
| | Graduates | — | 1 |

Library facilities : 3000 books/booklets and 5 Journals.

## Major achievements claimed :

- ResearchPapers/ReportsPublished : 6



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● Seminars/Conferences attended/organised :

Of late, Lokmanya has started the CME programme for the doctors of Pimpri-Chinchwad area. The following programmes arranged.

i) 1992-93

a. Recent Advances in Biliary Surgery

b. Recent Trends in Management of Rheumatoid Arthritis.

c. Quality and Safety in Private Sector Anaesthesia Service.

d. Clinical Application of Pulse Oxymetry.

e. Understanding Pulse Oxymetry

f. Pelvic Injuries

ii)1993-94

a. Mammography and FNAC

b. Management of Breast Cancer

c. Controversies in Breast Cancer management

d. Minimal Invasive Surgery

e. Preservation of Brain Function and Recent Developments in Investigation and Treatment of Strokes.

(iii)1994-95

a. Training in Industrial Safety, particularly Prevention of Industrial Hand Injuries was imparted to the workers of Thermax Chemical Division and Vanaz Engineers Pvt. Ltd. 225 workers participated in these programme.

b. 40 workers were trained in the basics of First-Air. These workers came from Mahindra Engineering and Chemical Products Ltd., Mahindra Sintered Products Ltd., and Dr. Beck & Co. (I) Ltd.

c. A Seminar on Industrial Health was organised in collaboration with Pune Chapter of Indian Association of Occupiational Health. Dr. K.C. Gupta, Director General of National Safety Council was in the Chair. Medical Officers from surrounding industries participated in the Seminar.

● Any other :

a. 47 Cancer camps were held in last 3 years (1992 -– 1995)

b. As a part of research in Occupational Health, health check up of 1588 workers from 12 factories of Pimpri-Chinchwad areas was conducted in 1994-95.



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**Name and Designation of five Senior Researchers:**

- Dr. V.G. Vaidya, Managing Trustee
- Dr. B.G. Sahastrabudhe, Consultant
- Dr. S.B. Ray, Executive Director
- Dr. (Mrs.) Dutta Choudhary, Scientist
- Mr. S. Gatne, Executive Director



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# LOKMANYA TILAK HOSPITAL SILVER JUBILEE RESEARCH FOUNDATION

**Address:**
College, Bldg., Near Canteen
Ground Floor, Sion,
Bombay-400 022.

## Background

Status of the SIRO : Medical Research Institute registered as Trust:

Charity Commission of Bombay Registration: No. E 4752 13.1.72.

Year of establishment : August, 1971

Date of recognition : April 1995 to March 1997

Major research areas : Research in Medical Field.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 10.62 | 11.70 | 15.48 |
| Other income (Interest) | 1.97 | 2.56 | 2.63 |
| *Expenditure on R & D* | | | |
| ● Capital | 3.60 | 4.20 | 3.32 |
| ● Recurring | 4.83 | 7.48 | 9.61 |

## Infrastructural facilities

Equipment facilities : Gross Value: Rs. 7.42 lakhs.

List of sophisticated equipment :

— Hematoflourmeter
— Microscope
— Thermolab Shaker Water Bath
— Semi Automatic Clinical Chemistry Analyser with built in Printer

R & D Manpower : 6

Library facilities : Medline Available to all Research Workers, Students, Teaching Staff

## Major achievements claimed :

● Achievements:

1. Immunoflorscent staining reactions in relation to primary & secondary Glome-rular diseases.
2. Deferiprone : An oral iron chelator in Transfusion dependent Thalassemia.
3. Plasma Brone Infection in Multi-transfused Children.
4. The Prevalence of methicillin resistant staphylococcus aureus (MRSA) in our hospital.
5. Liver functions in Thalassaemia and multitranfused children.
6. Antinuclear antibody detection in collagen vascular disorder : A comparative study between use of Rat liver & HEP-II cell substrate.
7. Estimation of 1) CSF-ADA and CSF lysozyme in pediatrics cases of TBM as an early diagnostic test and



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estimation of serum ADA as differentiating test for tuberculous and nontuberculous respiratory diseases.

8. Acetyl cholinesterase staining (ACHE) for diagnosis of Hirsehsprung's disease (Histochemical staining).

- Research papers/Reports Published : 4 papers published on heart valve research in the Indian Journal of Thoracic & Cardiovascutar surgery.

**Name and Designation of Senior Researchers :**

- Dr. A.R. Fernandez, Prof. & Head, Dept. of Neonatology
- Dr. M.B. Agarwal, Hon. Prof., Dept. of Medicine
- Dr. M.R. Lokeshwar, Hon. Prof. & Head, Dept. of Haematology — Oncology
- Dr. N.U. Ranadive, Assoc. Prof., Dept. of Pathology
- Dr. N.D. Patil, Prof. & Head, Dept. of Biochemistry



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# MAHARASHTRA MEDICAL RESEARCH SOCIETY

**Address:**
778, Shivajinagar,
Opp. Kamala Nehru Park,
Pune-411 004

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | Nil | 13.82 | 2.65 |
| *Expenditure on R & D* | | | |
| • Capital | 0.69 | 3.73 | 12.04 |
| • Recurring | 0.68 | 0.76 | 0.97 |

## Infrastructural facilities

Equipment facilities : Facilities of Joshi Hospital & Ratna Memorial Hospital having beds 110 wth all facilities are used for Research work.

List of sophisticated equipment :

— Computer
— Video endoscope with VCR
— Slide projector
— Epidioscope
— 125 Gama counter
— Blood Gas analyser
— Inspissator
— Lab equipment such as Incubator.
— Lithoclast (DCNL) equipment.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 2 | 1 |
| Social Sciences & Others | Resident Asstt. | — | 6 |

Library Facilities : No. of books available : 400
No. of Journals subscribed : 25

## Major achievements claimed :

Technologies developed and transferred for upscaling/ commercialisation

(i) Manual punch of instrument for Tallooing.
(ii) New endoscopic Dialator cum stone extractor.

- Research papers/reports published : 16
- Seminars/Conferences organised/attended : (i) National : 9
  (ii) International: 3
- Any other:

On Going research activities :

(i) A Study of Actue Myocardial Infarction with Specific reference to risk factors.



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(ii) Efficacy of Low Molecular weight heparin as against conventional heparin in acute ischeameic heart events (Unstable angina and acute myocardial infarction Post Thrombolysis)

(iii) T. Doxazosin (blocker) in mild & moderate HTN.

(iv) Spiramycin & Amoxycillin in Resp. tract infection double blind trial.

(v) "Study of Delirium".

**Names of Senior Researchers :**

- Dr. S.S. Kale — Physician
- Dr. A.M. Deshpande — Anaesthesiologist
- Dr. S.S. Bapat — Urologist
- Dr. M.B. Gharpuray — Dermatologist
- Dr. A.S. Phadke — Physician/Nephrologist
- Dr. Lala Telang — Gynaecologist
- Dr. V.G. Joshi — Surgeon



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# MAHENDRA EYE RESEARCH CENTRE

**Address:**
Mahendra Eye Research Centre,
Khairabad Eye Hospital Campus
Swaroop Nagar, Kanpur-208 002

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 8,2.00 | 2.41 | 0.78 |
| Grants received | — | — | — |
| Other income | — | — | — |
| *Expenditure on R & D* | | | |
| • Capital | Nil | — | — |
| • Recurring | 1.22 | 2.50 | 3.00 |

Infrastructural facilities

Land and Building : Accommodation on Rent @Rs. 1,500/ P.M. and using other area of KEH as and when required.

Equipment facilities : Gross Value : Rs. 11.65 lakhs.

List of equipments :

— Slit Lamp (Bio Microscope)
— ApplinationTonometer
— Keratometer
— Auto-Refractometer
— Operating Microscope
— Operating Instrument for Cataract Surgery
— Ophthalmoscope
— Retinoscope Trail Set Vision Charts
— Hot Air Sterilyser OT care etc.

*Note*: These equipments are on the inventory of Khairabad Eye Hospital but these are, also being used by Mahendra Eye Research Centre.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 1 | 2 |
| | Graduates | 2 | — |
| Social Sciences & Others | — | 2 | 1 |

Library facilities : Institute has full flaged library facilities

## Major achievements claimed

- Research papers/reports published : 3
- Papers for All India Conference "Chandigarh" 1996 accepted:
  (i) Comparative study of Oral Ketoroloc/Topical Flurbiprofen in prevention of Pupillary miosis during ECCE.
  (ii) Endopthalmitios with Methylcellolose:



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- Posters accepted for All India Conference 1996
  - (i) Prevalance of Visual Defects in Kanpur Dehat: A Baseline Survery. FPAB/COMOPH/BQ.
  - (ii) Analysis of Surgery (ICCE) At Base Hospital V/s. Rural Centre Vs Outreach Camp. RPAB/COMOPH/BR.
  - (iii) Use of Mitomycin C during Trabeculectomy. FPAB/BLAU./AV.
  - (iv) ECCE/OIL Surgery at a Rural Based Centre our experience. FPAB/CATA/BX.
- Awards Won
  - — Order of MERIT given to Dr. Y.K. Mahendra by Indian Council of Management Executives, Bombay in March '94.
- Any Other:
  - — One of the Doctors was invited to attend the Annual Meeting of American Academy at San Fransciso U.S.A. from 29 Oct. '94 to 3rd Nov. '94. Only 20 dignitonries from India were called and he was one of them.

**Names of Senior Researchers**

- Prof. L.P. Agarwal
  Ex-Director, A.I.I.M.S., New Delhi. Ex-Chief Ophthalmic Advisor to Government of India.
- Dr. Y. K. Mahendra
  Secretary, Mahendra Eye Research Centre Khairabad Eye Hospital, Kanpur.
- Dr. C. M. Kohli
  Research Incharge/Consultant.
- Dr. Malay Chaturvedi
- Dr. D. S. Rane



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# MANGALAM

**Address:**
Mangalam Sadan,
A-445, Indra Nagar,
Lucknow-226 016

**Background**

**Status of SIRO** : Registred Society—Registered under Societies Registration Act XXI of 1860

**Year of establishment** : March, 1976

**Major objectives** :

i) To undertake or motivate the undertaking of scientific research in respect of disabled (e.g. physically handicapped, afflicted by natural calamities or accidents, and mentally retarted) persons to undertake the required social and economic steps based on results of research regarding such persons;

ii) To provide prompt service and help to the disabled, the crippled and persons afflicted by natural calamities or accidents;

(a) by treating them or making arrangements for their treatment.

(b) by arranging thereafter, for their necessary limb fitting or rehabilitation.

(c) through research-based activities, necessary publicity and extension programmes.

iii) To carry out welfare work amongst disabled children:

(a) by arranging residential facilities for proper care, rehabilitation and training of mentally retarded children.

(b) by arranging residential facilities for proper care, rehabilitation and training of other disabled children.

(iv) To implement schemes relating to education and welfare of boys and girls at all levels;

(v) To render assistance to a destitute, helpless and disabled persons, and arrange for the necessary treatment, after-care, training, rehabilitation and accommodation, etc.

(vi) To arrange for various scientific research projects relating to physically handicapped, the displaced, the mentally retarded and



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the persons afflicted by natural calamities or accidents;

(vii) To render necessary assistance to institutions having similar objectives and to receive assistance from such institutions.

Major research areas : Undertaking of scientific studies in respect of the problems of the disabled and to undertake required steps for the implementation of the findings. Studies have been undertaken relating to:

(I) Design development on the basis of adaptation response in respect of Prosthetic and Orthotic artificial aids.

(ii) Design development of mobility appliances of the disabled like Hand-operated Tricycle and Wheel-chair.

Research in respect of hand-operated tricycle relates to improving the design to provide better comfort and other ergonomic aspects. This programme involves analysis of the frame with the latest technique of stress evaluation through all the numerical technique using on finite element methods on Computer. In addition, developing prototype for providing Cover Hood to the appliance considering functional, ergonomic and aesthetic aspects.

Initial recognition as SIRO : 1981

**Income and R & D expenditure**

(Rs. in Lakhs)

| *ncome* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 0.025 | 0.034 | — |
| Grants Received | 32.05 | 37.34 | 48.50 |
| Other Income | 7.19 | 6.34 | 7.21 |
| *Expenditure on R&D* | | | |
| • Capital | 0.14 | 0.22 | 0.54 |
| • Recurring | 0.09 | 0.37 | 0.31 |

**Infrastructural facilities**

Land and Building

Area : 5,113.55 Sq. Mtrs.; Value: Rs. 19.53 lakhs.

Note : First phase of the building for housing Mangalam Medical and Rehabilitation Research Centre is under construction at an estimated cost of Rs. 32.00 Lakhs at Delhi for which 1500 Sq. Mtrs.



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land is included in the above mentioned area.

Equipment facilities : Gross Value: Rs. 0.90 lakhs

List of sophisticated equipments

— Utilizing well equipped workshop facilities at Mechanical Engineering Department of Indian Institute of Technology, Kanpur.

Library facilities : Available

**Major achievments claimed**

i) Fabrication of specially designed Hand-operated Tricyle with a frame and accessories to suit manavourability and smooth mobility, broder boarding space, sturdy footrest and distinctive aesthetic colour choice impressing other road users about the disabled on the road.

Hood design provides minimum air drag and is foldable and mechanism provided to engage or disengage the Hood from the Vehicle easily.

ii) Steps have been taken to provide an integrated service involving restorative, vocational/technical assistance as well as social awareness efforts for the rehabilitation of the disabled. These are:

**a) Physical Rehabilitation**

Identification of the disabled is undertaken through a net-work of Branches as well as through camps organised in different parts of the country. Mangalam has established 9 Branches, which are situated in the States of Bihar (1), Delhi (1), Madhya Pradesh (2), Tamil Nadu (1) and Uttar Pradesh (4). In addition, 4 Mangalam Extension Units are operating in 3 States---viz. Surat (Gujarat), Jabalpur and Raipur (Madhya Pradesh) and Varanasi (1) in U.P.

Secondly, camps have been organised for the disabled where besides getting the disabled persons medically examined, orthotic and prosthetic appliances are provided for their rehabilitation. For this purpose a Workshop on Wheels has been pressed into service to render assistance to the disabled nearer to their homes. Upto March, 1995, 622 camps have been organised while where 46,124 disabled persons have been assisted. In addition, 10,970 disabled have been assisted through Mangalam Offices and Workshops making a total of 57,094 disabled persons rendered assistance. The number of camps held in different States is as below:

Andhra Pradesh (22), Bihar (04), Delhi (20), Gujarat (18), Goa (03), Kerala (22), Madhya Pradesh (145), Punjab (07), Tamil Nadu (05), Uttar Pradesh (352), Manipur (01), Nagaland (01), Maharashtra (05), Karnataka (07), Assam (02), Haryana (07), Rajasthan (01).

**b) Economic Rehabilitation**

Economic Rehabilitation Programme undertaken relates to two aspects:

(1) Rendering inforkmation, guidance, employment placement assistance against remunerative situations.

(2) Providing training in vocational trades so that the disabled could develop self-reliance and entrepreneurship.
While guidance and rendering of information has been undertaken mostly during the camps, training facilities have been provided in the following trades:



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**Vocational Training:**

(1) Stenography and Typewriting (Hindi and English). Training in Secretarial Practice and Commercial Correspondence and Training on Electronic Typewriter, has now been undertaken.
(2) Leather Work.
(3) Fabrication of Orthotic and Prosthetic aids.
(4) Tailoring.

**c) Research and Investigation**

The vast data collected through the programmes of assistance to the disabled, as mentioned in the foregoing paragraphs, forms the basic material for Research into problems of the disabled. A Research Cell has been established at Mangalam, Lucknow and a Mangalam Medical Rehabilitation and Research Centre is coming up at Delhi. Research has been undertaken for designing appliances to improving the mobility of the disabled and to determine the response of the disabled in respect of aids supplied to them with a view to developing design for the aids.

iii) **Awards**

**a) National Award**

Mangalam is recipient of National Award, 1990 from the President of India in Public Recognition of its outstanding performance in the field of Handicapped Welfare.

On the recommendation of the National Selection Committee for National Award, the Ministry of Welfare, Government of India, conveyed its appreciation in 1987 for the work done by Mangalam, Shivpuri Branch (Madhya Pradesh).

**b) State Award**

* The Uttar Pradesh Government awarded the State Level Awards consequtively for 3 years to Mangalam, Lucknow.
* Government of Madhya Pradesh commended the work done for the disabled in Madhya Pradesh by Delhi Office of Mangalam.

iv) **Track Record**

The Ministry of Welfare, Government of India recently communicated in October, 1994, the Ministry's decision to recognize Mangalam as one of the Institutions having Track Record during the past five years. Consequent to this recognition, release of funds/grants would be liberalised.

**Name and Designation of Researchers**

- Dr. Prashant Kumar, Professor and Head of the Department of Mechanical Engineering, Indian Institute of Technology, Kanpur.
- Dr. Shubh Mehrotra, M.S. Orthopaedic Surgeon-Incharge Research, Mangalam, Lucknow.
- Dr. Ram Krishan, Ph. D. - Retired Director of Agriculture, U.P. Executive Director, Mangalam.
- Shri D.R. Malhotra, Superintendent, Mangalam Viklang Kendra, Banda and Extension Cell, Lucknow.
- Dr. K.N. Tandon, Retired Director, Medical and Health Services, U.P.



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# MEDICAL RESEARCH CENTRE OF BOMBAY HOSPITAL TRUST

**Address:**
12 Marine Lines,
Bombay-400 020.

**Background**

**Status of the SIRO** : Registred Charitable Trust

**Year of establishment** : 1968

**Major objectives** : Medical Research

**Major research areas** :

(i) Community survey of hypertension/ peripheral neuropathy/Parkinsonism in Parsis in Bombay and Demographic study (mapping) of villages in rural areas;

(ii) Neuropathology of Alzheimer's disease/ Leprosy and histological profile of various brain tumours;

(iii) DNA profile in Rheumatic disorders.

(iv) Central nervous system disorders of multiple scleross.

(v) Intrathorasic complications of B.C.G. vaccinated children.

(vi) Epidemiological and neurological studies in epilepsy/cerebral palsy.

(vii) Clinical and electrophysiological charges in peripheral nervous system of asymptomatic elderly subjects and their biochemical profile.

(viii) Protein profile in genetic disorders and role of catecholamine in ageing process.

Year of initial recognition by DSIR : March, 1988

**Income and R & D expenditure**

*(Rs. in Lakhs)*

| *Income :* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 55.34 | 14.89 | 2.83 |
| Other Income | 1875.95 | 2190.39 | 2577.49 |
| *Expenditure on R & D* | | | |
| • Capital (with equipments) | 590.32 | 450.05 | 454.91 |
| • Recurring | 383.58 | 490.90 | 505.34 |

**Infrastructural facilities**

Land & Building : Area 604459 meters, Value Rs. 1047.07 lakhs
Equipment facilities : Gross Value : Rs. 1693.59 lakhs

List of sophisticated equipment

—Bicor biplane angiography
—MRI
—Gamma Camera
—SPECT
—CT Scan
—HPLC
—Urosystem UD 5500
—DF 6000 with advantax
—Aloka colour Doppler

R & D Manpower

| | Qualification | Full time |
|---|---|---|
| Scientific & Technical | (MD/MS/Ph.D) | 27 |
| Social Sciences and Others | | 77 |



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Library facilities : It has a specialised medical library set up providing circulation, references, photocopies services to the users on demand. The library is holding 8,000 books, 3,500 back volumes of periodicals and 2,000 special collection. It subscribes 159 journals and equiped with latest technologies viz. : photocopiers, Audiovisual, Video cassettes, Electronic Mail communication and Telephonic link with all medical libraries including computerization of library house keeping functions. Net working system is being introduced.

**Major achievements claimed :**

- New Techniques/ methodologies developed and implemented
  - (i) New Technique of Retroperitoneoscopy.
  - (ii) Visualization of supressed lobe of thyroid.
  - (iii) Improved techniques of gastrointestinal surgery.
  - (iv) Permanent tenting of biliary stricuture.
  - (v) Fallopian tube recanalization.
  - (vi) Embolization of vascular formation.
  - (vii) Triple procedure phaco-trabeculectomy.
- Research papers/reports published : 89 research papers in 1992; 62 research papers in 1993; 41 research papers in 1994. Amongst the reports published are 2 vols. of proceedings of Monthly Research Meeting and one vol. of reports of grant in aid research projects.
- Seminars/Conferences attended/organised from 1992 to 1994

  Conferences attended : 151, Conferences organised : 37
- Awards won :
  - (i) B.C. Roy National award.
  - (ii) Hunterian Professorship
  - (iii) Ancient Royal Order of Physicians of Srilanka.
  - (iv) St. Peter Award

**Name and Designation of five Senior Researchers**

- Dr. N.E. Bharucha, Neuroepidemiologist.
- Dr. D.K. Dastur, Director, Neuropathology.
- Dr. H.L. Dhar, Director Research.
- Dr. B.S. Singhal, Neurophysician.
- Dr. P.M. Udani, Prof. Emeritus, Paediatrics.



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# MMM HEART FOUNDATION AND RESEARCH CENTRE

**Address:**
4A, Dr. Jayalalitha Nagar,
Mogappari, Madras-600 050

**Background**

| | | |
|---|---|---|
| Status of the SIRO | : | Research and Training Insitute |
| Year of establishment | : | 22nd of April 1994 |
| Major objectives | : | (i) To establish and run a charitable non-profit, non-commercial research centres with emphasis on clinical applied and fundamental research on all aspects of Cardiology, Cardio Vascular Surgery and its allied diseases including causation, Course, prevention, detection, diagnosis, treatment and rehabilitation and with these objects in view to maintain the necessary beds, laboratories, work-shops and/or any other facility that may be needed from time to time. |
| | | (ii) To provide Research facilities at all levels viz., graduate, post-graduate, doctoral and post-doctoral in the subjects of Cardiology, Cardio Vascular Surgery and allied sciences. |
| | | (iii) To educate and tra medical, para-medical and other workers in the various aspects relating to research methodology in cardiology, Cardio Vascular Surgery including the prevention, detection and treatment of heart diseases. |
| Major research areas | : | Basic cardic sciences including cardiac surgery, anaesthesia, cardiology, cardiac rehabilitation, etc. |
| Initial recognition by DSIR | : | May 1994 |

**Income and R & D expenditure**

*Income*

| | | |
|---|---|---|
| Donations Received | : | Rs. 26.18 lakhs |
| Grants received | : | Indian Bank Cash Credit Rs. 2.83 lakhs |

*Expenditure on R&D* (1994-95)

- Capital : Rs. 111.69 lakhs
- Recurring : Rs. 17.13 lakhs

**Infrastructural facilities**

| | | |
|---|---|---|
| Land & Building | : | Area 10 acres, Value: 96.09 lakhs |

List of sophisticated equipment:

Olympus Research Binocular Microscope

Trinocular rsearch microscope with camera attached for photo,micrography



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Master Auto Analyser System
Automative syringe diluter
Behiring Fibrinitimer
Biochemical Analyser
Cryopreservation Equiment
Gas Detection Equipment

| | | |
|---|---|---|
| R & D Manpower | Qualification | Full time |
| | Scienctific & Technical | |
| | Doctors | 2 |
| | Postgraduates | 8 |
| | Graduates | 3 |
| | Total | 13 |

Library facilities : Full fledged library covering entire range of Books/Journals in cardiac Sciences.

**Major achievements claimed**

The following Research Projects were taken up and a pilot study have been carried out in each of these:

(i) Inhaled Nitric Oxide - A selective pulmonary vasodilator in congenital heart surgery associated with severe pulmonary hypertension.

Aim : To examine the ability of nitric oxide (NO) inhalation to reverse the pulmonary hypertension in patients undergoing congenital heart surgery CHD associated with severe pulmonary hypertension (PAH).

Nitric Oxide (NO) has been reported to be an important endothelium derivd relaxing factor. The common nitro vasodilators, nitroprusside and glyceryl trinitrate act by releasing NO, probably intra cellulary, to minimise the effect of endogenous NO. Inhalation allows NO to diffuse directly into the smooth muscles of pulmonary vessels and produce selective pulmonary vasodilation. Adminstration of traditional vasodilators in this situation often rsults in disastrous systemic hypertension.

Nitric oxide inhalation reverses the pulmonary hypertension associated with a wide variety of diseases including adult respiratory distress syndrome, persistant pulmonary hypertension of new born as well as in the intra operative management of patients with elevated pulmonary vasculr resistance.

Nitric Oxide is a selective pulmonary vasodilator and if administered in the perioperative period would be of tremendous advantage. Experimental studies have proved that short term inhalation of low dose NO is quite safe if long term inhalation of low levels of NO or NO releasing compounds proves both safe and effective in reducing pulmonary hypertension, a new era in the selective treatment of pulmonary vasculr disease will have begun.

Developing countries such as India, continue to get cases of CHD after prolonged illness when severe PAH already set in. In these untreatable cases which are likely to be fatal and for which no other therapy is available, it would be of help if NO could be used perioperatively and thus our study is to assess the usefulness of nitric oxide perioperatively in thse cases.

Conclusion: There has been a total of 4 cases, 3 males and 1 female and the results are good.

(ii) Prospective study of Allograft Arterial Conduits for Shunt and Vascular Surgeries.



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The aims of the study includes the following:

1. To Study the biocompatibility allograft arterial conduits
2. To study the long term patency in cryopreserved/antibiotic sterilized arterial grafts
3. To study the cost effective logistics
4. To study th passible growth potential of the conduit.

Efforts to produce a durable allograft over many years have been continuing. Use of fresh or preserved vessel segments from human cadaver donors was generally accepted in the early years of vascular surgery. Major drawbacks included graft thrombogenecity, degeneration leading to calcification as well as aneurysmal dilatation. But by and large, these were due to toxic chemical sterilization methods. Of late, there has been keen interest in the antibiotic sterilized and in the cryopreserved homografts. In fact, efforts are on to reduce the autogenecity by de endothelialising the allograft, genetic modifications etc. The human arterial conduit is of value since it is of appropriate length and calibre, readily available, biologically compatible, and cost effective. Further there is possible growth potential for short and intermediate term uses such as shunt and vascular surgeries.

Conclusion : A total of 5 valves had been preserved and successfully grafted, out of which 3 were males and 1 female. Postoperatiively all cases are doing well.

(iii) A study of Thymus at different age groups

Gross morphological and histopathological study of thymus at various age groups have been taken up. So far a total of 229 cases have been obtained of which there are 130 male and 99 females. The obserations concerning these have been recorded and it is hoped to attempt a pathophysiologic correlation.

(iv) Foetal Heart Registry

A total of 127 foetal hearts have been obtained, the ages varying from 5 weeks to near term. There were 73 males and 54 females. Measurements and weights of the heart and great vessels have been taken in each case and recorded as follows: Weight of the heart, length width, size of each chamber, wall thickness of each chamber, coronary arterial system, histological appearance in each case. Standards have been arrived at for foetal ages of 18 weeks and standards are being made for other age groups with a view to establish normal parameters in this part of the country which could be referred to in further at prenatal cardiac surgery.

**Name and Designation of five Senior Researchers:**

| | |
|---|---|
| • Prof. K.M. Charian, MS Fracs | Cardiac Surgeon |
| • Prof. V.V. Bashi, MS, FCh | Cardiac Surgeon |
| • Prof. Sarasa B Arumugam, MD Ph.D | Pathologist |
| • Prof Grace Koshi | Microbiologist |
| • Dr. S.Rajan, MS, MCh | Cardiac Surgeon |



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# M.P. BIRLA MEDICAL RESEARCH CENTRE

**Address:**
9/1, R.N. Mukherjee Road,
Calcutta-700 001.

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Registered Society |
| Year of establishment | : | 1988 |
| Major objectives | : | To undertake and organise Medical Research; To take-over, establish and provide maintenance facilities for Medical Research and to undertake, prosecute, develop, help or carry on all or any kind of basic or fundamental and/or applied Medical research and Scientific Research work in connection with or relating to surgical & clinical research problems. |
| Marjor research areas | : | (i) Automated data reduction in immuno assay.<br>(ii) Study of chronic renal failure in patients before and after renal transplantation.<br>(iii) Cardiac dimensions and functions in normal adults.<br>(iv) Endoscopic, histopathologic and bacteriologic study in early cases of Gastro Esophageal Reflux Disorder.<br>(v) HIV detection - mass screening of the high risk people and evaluation of disease pattern in surgical patients and blood donors.<br>(vi) TORCH test-usefulness in gyneacological diseases.<br>(vii) Laporoscopic Cholecystectomy. |
| Initial recognition by DSIR | : | April, 1989. |

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | 277.00 | 298.50 | 256.00 |
| Grants Received | : | - | - | - |
| *Expenditure on R&D* | | | | |
| • Capital | : | 58.84 | 0.36 | 0.16 |
| • Recurring | : | 19.33 | 11.01 | 10.22 |

## Infrastructural facilities

| | | |
|---|---|---|
| Land and Building | : | The Society has been allowed to use the infrastructure and facilities available with reputed and well |



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equipeed medical institutions in Calcutta and at Birlapur, {24-Parganas (South), West Bengal}, and in Satna (Madhya Pradesh). The Society is in the process of establishing its own infrastructure to carry out the research and has arranged to aquire two floors measuring about 10,000 sq. ft. at 10, Loudon Street, Calcutta. The construction is likely to commence soon.

Equipment facilities : Gross Value: Rs. 74.84 lacs.

List of sophisticated equipments:

— Echo Cardiography (imported)

— Surgical Laproscope (imported)

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific and technical | Medical | | |
| | Post Gradutes | 4 | 9 |
| | Doctorates | 1 | - |
| | AMIE | - | 1 |
| Social Science and Others | — | 2 | 2 |

Library facilities : The Research Centre is maintaining its own Library on Medical subjects for Scientific & Technical personnal of the Centre. Besides, the Centre is available the facilities in the British Council Library, Calcutta.

**Major achievements claimed**

- Technologies developed and ready for upscaling

  Tailor made software for data reduction in immuno assay.

- New techniques/methodologies developed and implemented

  Algorithm for tissue matching index-a new quantiative parameter in organ transplantation.

- Research papers/ reports published : 19 papers during 1993-95.

- Seminars/Conferences attended/organised

  (i) Organised/Co-sponsored 9 national/international seminars and conferences during 1993-95.

  (ii) Attended: 11 national and international seminars/conferences during 1993-95.



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**Name and Designation of Senior Researchers**

- Dr. K.K. Ahuja — Director
- Dr. A.R. Dutta — Nephrologist
- Dr.(Mrs.) B. Lahiri Majumdar — Imageologist
- Dr.(Mrs.) Jaya Dasgupta — Immunobiologist



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# MULJIBHAI PATEL SOCIETY FOR RESEARCH IN NEPHRO-UROLOGY

**Address:**
Dr. Virendra Desai Road,
Nadiad-387 001.

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Registered Society |
| Year of establishment | : | 1984 |
| Major research areas | : | Nephrpogy and Urology |
| Initial recognition by DSIR | : | September 1984. |

## Income and R & D expenditure

*(Rs. in Lakhs)*

| *Income :* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 85.52 | 150.87 | 145.73 |
| Grants Received | Nil | Nil | Nil |
| Other Income | 18.13 | 29.95 | 50.12 |
| *Expenditure on R & D :* | | | |
| • Capital | 12.96 | 44.39 | 29.90 |
| • Recurring | 59.66 | 68.93 | 72.57 |

## Infrastructural facilities :

Land & Building Value : Rs. 129.48 Lakhs (1994-95)
Equipment Facilities Gross value : Rs. 407.41 lakhs (1994-95)

List of sophisticated equipments :
—Urological X-Ray Examination System
—Express Plus, Clinical Chemistry Analyser
—Fast 4, Electrolyte Analyser
—Blood Gas Analyser
—Inverted Microscope
—Extra-corporeal Shock Wave Lithotriptor (ESWL)
—Trans-Urethral Needle Allation (TUNA) System.

R & D Manpower

| | Full time | Part time |
|---|---|---|
| Scientific & Technical | 14 | 9 |
| Others | 6 | — |

Express plus Clinical Chemistry Analyser



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| | | |
|---|---|---|
| Library faclities | : | 24 Hours Library Facilities with 1624 Books, 34 Journals, Video Library & Slide Collection. |

**Major achievements claimed :**

| | | |
|---|---|---|
| Research Papers/Reports Published | : | 19 |
| Seminar/Conference attended | : | 11, |
| Organised | : | 3 |
| Awards Won | : | 3 |

**Name and Designation of Five Senior Researchers**

- Dr. Mahesh R. Desai, M.S., FRCS, FRCS : Head, Department of Urology.
- Dr. Snehal H. Patel, M.S., M.Ch. : Consultant Urologist.
- Dr. Ravindra B. Sabnis, M.S., M.Ch. : Full-time Urologist.
- Dr. Mohan M. Rajapurkar, M.D. : Head, Department of Nephrology.
- Mr. Suresh R. Kogje, M.Sc. : Chief Bio-chemist.

1. Blood Gas Analyser
2. Fast 4 Electrolyte Analyser



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# NAGRI EYE RESEARCH FOUNDATION

**Address:**
C.H. Nagri Muni. Eye Hospital Near
Gujarat College, Ellis-Bridge,
Ahmedabad-9.

**Background**

| | | |
|---|---|---|
| Status of SIRO | : | Registered Trust |
| Year of establishment | : | 1963 |
| Major objectives | : | To facilitate eye Research activities. |
| Major research areas | : | Ophthalmology. |
| Initial recognition | : | Recognition vide letter No. 14/178/91/, 20-12-91 |

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | : | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|---|
| Donations Received | : | 5.12 | 4.02 | 11.23 |
| Grants Received | : | Nil | Nil | Nil |
| *Expenditure on R & D* | | | | |
| • Capital | : | 0.27 | 0.35 | 21.12 |
| • Recurring | : | 0.31 | 0.14 | 0.54 |

**Infrastructural facilities:**

| | | |
|---|---|---|
| Land & Building | : | Nagri Eye Hospital Building & Offices & Campus. |
| Equipment facilities | : | Gross Value: Rs. 21 lakhs |
| List of sophisticated equipment | : | |

— Operating Microscope
— Slit Lamp-Photo slit lamps
— Flourescein Fundus Camera
— Lasers-Argon-Yag
— Automated Visual field analyser
— Phaco emulsification machine
— Diode laser
— Projection lensometer

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates (Pathology/Anaesthesia) | 11 | 4 |
| Others staff members | | 17 | — |

**Major achievements claimed:**

a) Seminars, conference, workshops, training courses etc. conducted during the year 1993-1994.
   i) Symposium on Intra ocular lens Impant: April, 1993.
   ii) Endophthalmitis: August, 1993.



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iii) Investigation in ophthalmology: December, 1993.

iv) Recent advances in cataract surgery: January, 1994.

v) Phaco emulsification, Small incision surgery-This programme was organised in co-operation with Medical Council of India, APPI & N.E.R.F.

vi) Contact lens practice: April/94

vii) Advanced Phacoemulsification: May 94

viii) IOL Surgery in special situations: December 94

b) Research papers presented at various conferences:

(i) Following papers presented at Gujarat state conference October, 1992 at Karamsad.

1) Evaluation of effect of K.Y. Jelly on corneal endotherlium in Vitro Study.

2) Evaluation of effect of K.Y. Jelly on corneal endothelium in Vitro Study.

3) Clinical study of ciprofloxacin in bacterial corneal kernatitis.

4) Effectiveness of soft contact lens as therapeutic modality in different corneal diseases.

(ii) Following papers presented at All India Ophthalmology Conference at Jaipur January, 1983.

1) Role of fluorescein angiography in chronic simple glaucoma.

2) Results of Argon grid laser in background diabetic retinopathy.

(iii) Following papers presented at Bhavnagar study of Gujarat Ophth. Society Conference Sept., 1993.

1) — K.M. Media—A Clincial evaluation

2) — Subtenon anesthesia.

3) — Comparative study of Betaxolol & timolol.

4) — Study of IOP following yag laser.

iv) Following papers presented at the conference. All India ophthalmological society 52nd conference at Calcutta from 3rd Jan., to 6th Jan. 1994.

1) Evaluation of K-Y Jelly as a viscous material for intraocular use in vivo study.

2) Evaluation of Effect of K-Y Jelly on corneal Endothelim in vitro Study.

3) K-Y Jelly: A new viscous material for intraocular use a random, ISED double blind controlled Study.

v) Following free papers were presented at all Gujarat state conference at Himatnagar on 23rd October 94.

1) Intra ocular surgery under ketamine anaesthesia.

2) Sutureless cataract surgery through a 9 mm. corneoscleral tunnel incision.

3) Are there risk factores for senile cataract in India?

4) No scar Dacryocystorhinostomy

5) New visual acuity chart

6) K.M. media for corneal preservation-an early clinical trial.

7) An improved techinque for decontamination of human donor cor neas.



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8) Results of Penetrating keratoplasty in bullbous kertopathy.
9) Vitreous haemorrhage following B.T. for anaemia.

vi) New Technique methodology for Sutureless Cataract Surery was also developed.

vii) If Seminars/Conferences & workshops/training courses were conducted during the year 1993-94.

viii) The Centre is recepient of "Col. Rangachari Award."

**Names of Senior Researchers**

- Dr. Ushaben H. Vyas
- Dr. M.K. Shah
- Dr. B.M. Khamar



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# NANAVATI HOSPITAL AND MEDICAL RESEARCH CENTRE

**Address:**
S.V. Road, Vile Parle (West),
Bombay-400 056.

**Background**

Status of the SIRO : Public Charitable Trust

Year of establishment : 1972

**Income and R & D expenditure**

(Rs. in lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* | | | |
| Donations Received | 1.22 | 2.02 | 3.10 |
| Grants received | Nil | Nil | Nil |
| Other income | — | — | 48.53 |
| *Expenditure on R & D* | | | |
| • Recurring | 19.75 | 22.26 | 14.14 |

**Infrastructural facilities**

Equipment facilities : Gross Value : Rs. 218.00 lakhs.

List of sophisticated equipment :

- — Stimulator Recorder
- — I.C.C.U. Monitor System
- — Dialysis System
- — V.V.F. Venticulography Unit
- — Cathlab System
- — Carona Analyser
- — C.T. Scan Unit
- — X-Ray Unit
- — ERBE Diatherapy Unit
- — Blood Cell Counter
- — Zoom Microscope for Opthalmology
- — Trinocular Research Microscope
- — Arthroscope & Craniotomy System
- — Zoom Opthalmic Microscope for Neurosurgery
- — Spectrum CCX Analyser

R & D Manpower : 16 (Full Time)

Library facilities : Medical Books & Medical Journals available.

**Major achievements claimed**

(i) Having expressed a commitment to offering patients the most advanced and sophisticated facilities in Nanavati Hospital is continually involved in upgrading its various departments and services. The extensive upgradation of the Cardiology and Cardio Vascular and Thoracic Surgery Departments is one such milestone. But while providing state-of-the-art technology, the Hospital never forgets that patients are above all people... personalised service is always spotlighted at the Nanavati.

(ii) In the last few months, extensive work has been underway for the expansion and upgradation of the Nanavati Hospital's Cardiology and Cardio Vascular and Thoracic Surgery Departments. The upgraded Deapartments, and the various other new facilities that



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are to be made available for coronory care, will make up what may be named the Nanavati Heart Institute or the Nanavati Cardiac Care Centre, whose opening is scheduled for December 1994.

The Hospital is involved in an ongoing quest to imbibe the latest techniques and skills prevalent internationally.

(iii) The Cardiology and Cardio Vascular and Thoracic Surgery Departments have always been among the most prestigious departments of the Nanavati Hospital. The current upgradation of the Departments will take the Hospital firmly into the 21st century, inabling its cardiologists and cardio-vascular surgeons to offer the community the very best in coronary care.

(iv) Infant and neonatal cardio-thoracic surgery, is unfortunately still in its infancy in our country. Congenital malformations like tetralogy of Fallot, VSD, Transposition of great arteries are common, yet are extremely difficult clinical situations which require special management expertise. Nanavati Hospital is involved actively in promoting this speciality in conjunction with the Neonatal Department of the Nanavati Hospital. A large number of these young patients, who would have otherwise withered away, have been helped by the facilities and expertise in the Nanavati Hospital, facilities that are being strengthened even further as the Hospital's Heart Institute nears completion.

Nearly two and a half lakh children are born with congenital heart defects every year. The incidence is likely to go up even further. There is a popular misconception that surgery can be safely attempted only after the child reaches the age of five Unfortunately, nearly 80% of children born with congenital heart anomalies die for lack of treatment by the time they reach that age. This concept needs to be changed as many of them can be operated earlier on and their lives saved.

(v) With the advances in imaging techniques and instrumentation, Rhinology has been firmly established as a super speciality worldwide and Nanavati Hospital, are in the forefront at the national level.

(vi) By and large, the fitting of upper extremity prostheses for shoulder disarticulation with bilater below knee amputee is considered a challenge to prosthetists. At Nanavati, there was an unique opportunity to work with a young quadriamputee. The boy had undergone amputation, following electric burns, leaving him a bilater shoulder and below knee amputee. The management of lower limb amputation was tackled in a routine way by providing self-suspending prostheses with integral wedge. A slightly loose P.M.L. Socket was fitted with satisfactory results. The patient, however, could not donn or doff the prostheses.

The management of upper limb shoulder disarticulation proved demanding. Since effective devices of elbow and shoulder joints were not available in our country, efforts were made to design suitable joints. We modified the standard automobile joints for use as elbow joints. The cable control assembly was designed to suit the endo-skeletal system. Telescopic aluminium pipes, with a diameter of 60 mm, were used in order to reduce the overall weight of the prostheses. As a result, the patient can lift up the prostheses and can operate it near the paronil as well as mouth level and a 90° elbow flexion.



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Special adaptations which were necessary in order to make the boy independent are also developed. Today the boy is walking and using his arms for most of his activities. He attends classes regularly and appears for all his exams. At the SSC examination he obtained 77%. Today he is a student in an Arts College. The prostheses have the added advantage of being repairable at the local village level.

(vii) Over 200 otologists and neurosurgeons from all over India attended the prestigious workshop on Skull Base Surgery and Neuroendoscopy held at the Nanavati Hospital's underground auditorium. The Workshop was organised by the Hospital's Skull Base Surgery Team (SBG) made up of Dr. Manoj Virani, a well-known neurosurgeon and Dr. K. P. Morwani, a reputed otoneurologist supported by an oncologist, facio-maxillary surgeons and members of the Department of Imaging.

**Name and Designation of Senior Researchers**

- Dr. Nagraj Huilgol, Hon. Radiotherapist
- Dr. K. Sankari, Hon. Gynaecologist
- Dr. S. S. Sawant, Hon. Dermatologist
- Dr. .P. G. Natrajan, Hon. Endocrinologist
- Dr. M. J. Gandhi, Hon. Cardiologist



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# NATIONAL ACADEMY OF MEDICAL SCIENCES (INDIA)

**Address:**
Ansari Nagar, M.G. Marg,
New Delhi-110 029

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Registered Society registered under the Societies Registration Act. |
| Year of establishment | : | 1961 |
| Intial recognisation | : | November 1991 |
| Major research areas | : | The National Academy of Medical Sciences, constituted as it is of highly selected talent in biomedical sciences, is a unique institution which combines academic excellence as its resource, and social relevances as its goal. Like science academies all over the world which are highly reputable bodies of talent, the national Academy of Medical Sciences also has been assisting the Government of India in providing the considered views of academicians in several matters of national health policy and planning. |
| Major objectives: | | (i) To provide opportunities to update knowledge of skills and practices of health professionals and health workers at different levels and postgraduate students in various specialities of medical sciences; (with focus on the preparation of candidates for higher level postgraduate medical examinations from the non-formal stream as conducted by the National board of Examinations). |
| | | (ii) To conceptualise and prepare appropriate Self-Learning materials for various categories of professionals covered under the programme; and |
| | | (iii) To develop print and non -print training and Learning Resoure Materials to match the training needs. |

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | | | |
| Grants Received 11.80 | 8.20 | 6.00 | Nil |
| Other Income | | | |
| *Expenditure on R&D* | 8.36 | 6.72 | 10.65 |
| • Capital | | | |
| • Recurring | 8.36 | 6.72 | 10.65 |



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**Major achievements claimed**

(i) The Govt. of India, Ministry of Health and Family Welfare recognised the National Academy of Medical Sciences as the Coordinating Agency for Continuing Education Programmes for both medical as well as para medical personnel.

(ii) The continuing education programme is implemented through:

1. Seminars/Symposia
2. Workshops
3. Short-term courses
4. Health Manpower Development (Scientists Exchange Programme Training of Junior Medical Scientists).

The Academy assisted financially the number of Workshops Seminars/ Symposia for the last three years as under:-

| | | |
|---|---|---|
| 1992-93 | - | 61 |
| 1993-94 | - | 42 |
| 1994-95 | - | 55 |

(iii) The Academy recognises talent and merit throughout the country in the form of election of its Fellows and Members. It organises various Orations and Awards in Memory of eminent Scientists. The Orators of distinct intellect and experience are awarded Oration to deliver orations on various medical specialities.



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# NATIONAL CENTRE FOR CELL SCIENCE

**Address:**
'JOPASANA' 85/1,
Near Vanaz Engineers Ltd.,
Paud Road, Kothrud,
Pune-411 029

## Income and R & D expenditure

(Rs. in lakhs)

| *Income:* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received: | NIL | NIL | NIL |
| Grants Received: | 660.59 | 665.00 | 593.00 |
| Other Income: | — | — | — |
| *Expenditure on R&D:* | | | |
| • Capital | 475.77 | 521.40 | 138.02 |
| • Recurring | 107.87 | 117.12 | 118.94 |

**Infrastructural facilities:**

Land & Building

| Name of Building | Area (Sq. ft.) | Value (Rs. in lakhs) |
|---|---|---|
| JOPASANA | 8101 | 23.50 |
| JIDNYASA | 7425 | 21.50 |
| NFATCC COMPLEX (inclusive of main laboratory bldg. animal house & other anciliary buildings and residential buildings) | 114369 (under construction) | 1353.00 (estimated cost) |

List of sophisticated equipment :

The centre is well equipped with sophisticated facilities such as coulter counter, Blo-rad Electrphores is equipment, Reverse osmosis system, Micrtone, Micro-osmometer, HPLC, Spectrophotometer, DNA Thermal cycler, Cyclo-Mixer and a host of other Sophisticated facilities

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates/ Post Graduates | 44 | |
| Social Sciences and others | Graduates/Chartered Accountants/ICWA, etc | 29 | |

Library Facilities

The Library at NFATCC houses a wide range of journals, books and literature on Biological, Bio-Medical and Life Sciences. The DIALOG, I-NET & EMAIL facilities are also available at the libary, providing access to the latest developments and information and databases in the scientific & other fields.

**Major achievement claimed:**

- Bronchial Ashtma: Astham is one of the common pschosomatic illness influenced by the factor of allergy. The patients complaints of difficulty in breathing of Paroxysmal wheezing type apparently due to



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diminition in the bronchial lumen which may be caused by Bronchial obstruction, muscular spasm, vascular engorgement, oedema or increased secretion. The treatment is a holistic approach and an inpatient treatment comparison with the standard regimes of treatment becomes impossible. Hence it was planned to have a self controlled matched study.

There was significant decrease seen in pulse rate, respiratory rate denoting the improvement in depth of the breathing, PEFR reading has increased, absolute esinophil count found reduced.

Radiological assessment shows moderate improvement and there were no worsening patients were off medication by the 3rd day.

- **Arthritis:**

Patients to Osteo & Rheumatoid Arthritis have shown significant improvement as evinced by reduction in swelling, pain, stiffness and improvement in the avility to walk for longer distances with no medication or decreased dosage.

- **Multiple Coronary Risk Factors:**

The risk factors are obesity, hypertension, hyperlipidemia, diabetes mellitus, smoking and family history are the byproducts of negative life style having serius repurcussions on health by becoming major health hazards and at times fatal.

- **Hypertension:**

Hypertension is called high blood pressure and to know literarry is rise of blood pressure and to know literally is rise of blood pressure than the normal. The normal level differs as per age, sex, teperment etc. However, B.P. more than 140/90 mm of Hg is considered as high blood pressure.

It is due to the athero sclerosis i.e., hardening of arteries due to desposition of cholesterol, calcium, sodium etc., as a plaque in the arteries by which the tone (elasticity) of the blood vessels is reduced. In old age the narrowing of arteries is due to hardening of blood vessels itself. The other factors are excess of body weight, diabetes mellitus, anxiety and stress can play a complimentary role in causing high blood pressure.

There as a significant reduction in blood pressure reading, bodymass index was found reduced and cholestrol level was reduced markedly on discharge.



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- **Fasting:** Scientific study on fasting as a treatment modality were done. Fasting is to abstain from food while one posseses adequate body reserves required to maintain normal functions of the body. Fasting should be distinguished from starvation. Whereas starvation is to abstain from food after one's reserve food stores get completely exhausted. Fasting is a eliminative phase of dietary therapy. It showed a decrease in weight.

- **Rhino-Sinusitis:** Role on Naturopathy and Yoga in cases of Rhino-Sinusitis were studied in 1994-95 scheme.

- **Treatment Modalities:** Naturopathy & Yoga is a drugless system of treatment. It consists of Dietary therapy, Yoga therapy, Hydrotherapy, Mud therapy etc.

The dietary theraphy spread over 3 phases

(i) Eliminative Phase: During this phase patient is only on juices and water (only liquids). This may last from 3-7 days depending on condition of the patient. Fasting is broken ideally when the tongue coating is clared and hunger returns.

(ii) Soothing Phase: The diet during this period comprises of fruits, vegetables, salads and soup.

(iii) Constructive Phase: Modified balanced diet consisting of cereals, boiled/steamed vegetables, sprouts etc., is gradually introduced.

The yogic therapy comprises of Kriyas, Pranayama, Asanas and Yoga nidhra.

Hydrotheraphy is given with the help of water in different temperature.

The INYS Medical Research Society is striving hard to propogate the Naturopathy & Yoga among suffering masses to avert complications of the disease, medicine and help them to lead healthy life.

**Names of five Senior Researchers**

- Dr. K.S.S. Bhat
- Dr. Sathya Prabha
- Dr. Sambasiva Rao
- Dr. Altafur Rehman
- Dr. Latha



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# NATIONAL HEALTH AND EDUCATION SOCIETY

**Address:**
Veer Savarkar Marg,
Bombay-400 016

## Background

Status of the SIRO :

Year of establishment : 1954.

Major objectives : Conducting research in the area of Medical Sciences

Major research areas : Cardiology, Neurology, Pathology Paediatrics, Pulmonary Functions, Ophthalmology, Radiology & Orthopaedics.

Initial recognition by DSIR : 1990 (Earlier the National Hospital & Medical Research Centre was given approval from 1972 to 31.3.88)

## Income and R & D expenditure

*(Rs. in Lakhs)*

| *Income :* | *1992-93* | *1993-94* | *1994-95* (unaudited) |
|---|---|---|---|
| Donations Received | 30.20 | 128.98 | 171.30 |
| Grants Received | - | - | - |
| Other income | 121.79 | 205.51 | 186.32 |
| *Expenditure on R & D* | | | |
| • Capital | - | 94.67 | - |
| • Recurring | 301.93 | 390.30 | 370.76 |

## Infrastructural facilities

Land & Building : Area : 3901 sq. yds. Value : Rs. 819.28 lakhs.

Equipment facilities : Rs. 513.71 lakhs

List of sophisticated equipments :

The centre is well equipped with sophisticated equipments such as spectrophotometer, electrophoresis equipment, Fluorescent Microscope, $CO_2$ Incubator, yamma Counter/Gama counter, Ultrasound Scanner and a host of other sophisticated facilities.

R & D Manpower

| | Full Time | Part Time |
|---|---|---|
| Scientific & Technical | 54 | 23 |
| Others | 5 | Nil |

Library facilities

The Hospital Library has an impressive collection of medical books and journals. Books and journals worth Rs. 16 and Rs. 18 lakhs are added every year. The Library is under the control of the Library Committee headed by the Director Research. The Library has a MEDLINE database reference system to provide research and medical personnel quick access to over 3500 medical journals published the world over.

## Major achievements claimed :

• Research Papers Published : A paper on CT scan Diagnosis and Emergecy Clipping of Middle Cerebral Artery



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Aneurysm without Angio-graphy was published in Neurology India, 1994.

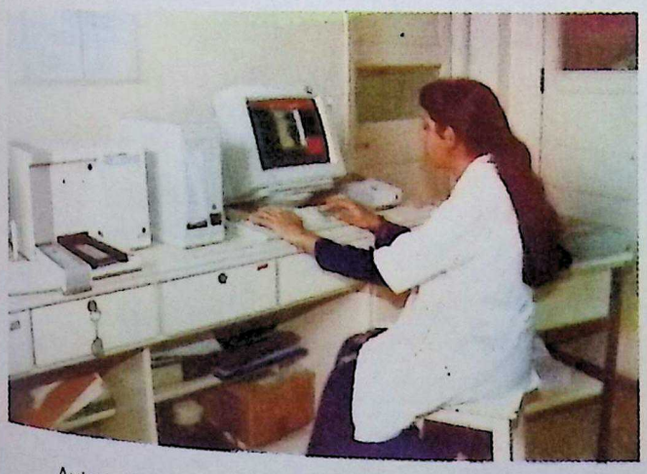
Papers on Clinical and Coronary Angiographic Profile of Coronary Artery Disease in the young and Free radical generation and the role of Allopurinol as a Cardioprotective agent during CABG were published in Indian Heart Journal Sept-Oct 94.

A paper on Preoperative embolization, resection and reconstruction for vertebral tumors presenting with progressive cord compression : a review of 43 operated cases was published in The Journal of the Japanese Orthopaedic Association, March 94.

- Seminars organised :
  A seminar on International Update in Neurosciences was organised in the Hospital in Novermber 1993.

**Name and Designation of five Senior Researchers**

- Dr. K.G. Nair - Director of Research
- Dr. A. Dasgupta - Chief of Labs
- Dr. T.F. Ashavaid - Head, Section of Biochemistry
- Dr. Ajita Mehta - Head, Section of Microbiology
- Dr. V.R. Joshi - Head, Section of Rheumatology.



Automation in Microbiology ATB Expression

Beckman Assy Protein Chem Analyser



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# NATIONAL SOCIETY FOR THE PREVENTION OF BLINDNESS-INDIA

**Address:**
Dr. Rajendra Prasad Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, Ansari Nagar, New Delhi-110 029

**Background**

Status of the SIRO : Society Registered under Societies Act XXI of 1860.

Year of establishment : August, 1960 vide Registration No. S-1687 of 1960-61.

Major objectives :
(i) To take measures and engage in community service activities which shall lead to the control or elimination of the causes of blindness;
(ii) To disseminate correct knowledge concerning eye health care;
(iii) To publish studies reports, periodicals and other literature relating to eye health and prevention of blindness;
(iv) To endeavour, through research and investigations, to ascertain the causes, direct or indirect, which lead to blindness or impaired vision;
(v) To conduct experiments and research in making and fitting glasses, contactlenses, low vision aids and other optical devices for the prevention of impairment and/or for the improvement of sight;
(vi) To take such actions as are incidental to or conducive to the attainment of the objectives of the Society including collection of funds, receiving grants, acquiring property- movable or immovable.

Major research areas :
(i) Engaged in research to cover various aspects of prevention of blindness.
(ii) Optical research which includes various aspects of contact lenses low vision aid

Initial recognition as SIRO : December, 1972

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 6.29 | 5.47 | 5.22 |
| Grants received | 2.00 | 0.15 | 5.68 |
| Other income | 55.39 | 70.18 | 60.17 |
| *Expenditure on R & D* | | | |
| • Capital | 8.02 | 0.24 | 0.81 |
| • Recurring | 52.32 | 66.52 | 63.75 |



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**Infrastructural facilities**

Land & Building : Area : (i) At Dr. Rajendra Prasad Centre for Ophthalmic Sciences since 1971 having Labs and office etc.- Free

(ii) Ginni Modi Community Ophthalmic Research Centre, Modinagar (UP)—a modern eye hospital-cum-research centre fully equipped and staffed.

(iii) NSPB-India Eye Hospital, Moti Nagar, New Delhi—A modern eye hospital on donated land 200 sq. yards-fully equipped and staffed.

(iv) Raison Eye Hospital, Kullu (HP) Land on lease from Govt. of H.P. buildings-equipped and staffed.

(v) A plot of land in New Sarai Complex, Gole Market, New Delhi measuring 450 sq. yards allotted by Govt. of India for office and research laboratories.

(vi) A plot of land 800 sq. yards at Karkardooma, New Delhi by Delhi Development Authority for hospital.

Land & Building : Value : Rs. 40 lakhs

Equipment facilities : Gross value : Rs. 9.34 lakhs

List of sophisticated equipment :

The Centres at New Delhi, Modinagar & Kullu are well equipped with instruments such as Diagnostic Equipment, Synoptophone, Ophthalmoscope, Anaesthesia machine, Vitreetomy machine, Cryoappratus, Lensometer, Streak Retinoscope, Diathermy, Fundus Cameras, Keratometer and a lost of other sophisticated facilities.

R & D Manpower : 57 (Full Time)

**Major achievements claimed**

- Research work on Various Research Projects :

(i) *Ocular survey of school children, industries and pre-school children including operational research on refractive error:* The school eye survey and research programme were started with the aim of preventing blindness by early detection and treatment of visual defects and eye health problem in school going children. For this purpose a number of school children were studies some having children mainly from upper middle class and some which were attended by children from middle and low income class. The children were systematically examined for eye defects. It is important to study the refractive error in school children, because of the diminished visual acuity due to refractive error can be detected early in life then a great deal can be done to prevent the eye from becoming amblyopic and this preventing blindness.



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In the study, during past three years, 55,468 children were examined. It was found that 8604 i.e. 15.5% were having eye problem and refractive error was single most imporant defect, which accounted 5799 i.e. 67.39% and other diseases were 32.61%. Similarly, among pre-school going children, the refractive error found to be more i.e. 4156 children were screened, mostly from mobile creches and found that 1002 i.e. 24.1% having eye problem and refractive error accounted 213 i.e. 21.25%.

In another study, 1168 industrial workers were checked. 50 i.e. 43.15% having eye problems and refractive error was single most important defect, which accounted 437 i.e. 86.7% among defectives.

(ii) *Optimal utilisation of hospital infrastructure during lean months*: Operational research project for optiomising utilisation of hospital infrastructure from the existing level with emphasis on traditional lean months because during rainy and summer seasons the hospital beds are mostly under utilied and with proper eye care health education, moulding of the opinion of public and by providing certain auxilliary facilities in the hospital, beds can be properly be utilised. This experiment has attracted cataract patients for operation in the hospital during traditionally lean months.

Keeping in view the reports of Society, this strategy has also been adopted by Govt. of India, Ministry of Health and Family Welfare and Society has been requested to help the govt. machinery.

(iii) *Contact Lens and Optical Lens Research Unit*: Since refractive error is one of the significant causes of blindness and through these projects it is sought to reduce their prevalence. Also to study the contact lenses in active diseases of the cornea and conjunctiva, to correalate the cytological reactions of the eye with the subjective symptoms, the reaction of cornea to contact lenses in the adaptation stages, critically evaluate the corneal oedema in adaptation stages to teach contact lenses to medical and para-medical persons.

(iv) *Procuring cadaver eyes of persons dying in general hospital*: Main objective of prevention of blindness particularly with increase in the prevalence of corneal blindness. This experimental research project to collect cadaver eyes of persons dying in general hospital initially being operated in Ahmedabad to persuade the relatives of patients dying to donate cadaver eyes. The results are coming out good.

(v) *Cataract Free Zone*: This consists in selecting a certain geographical area mainly in district/tehsil/town, surveying persons in the age of 40 and above for indentifying cases of mature and hypermature cataract and taking remedial actions to operate all such cases to make that area a cataract free zone. This will show whether cataract is more prevalent in the rural or urban areas or in different ethonic groups. This research approach would demonstrate whether and how the problem of cataract can be more successfully tackled than through the existing approach of eye camp at random. This operational research project had been taken



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up in many states with the help of local medical authorities and Govt. of India's health authority have also adopted it.

(vi) *Operational Research on High Risk Factors in Angle Closure Glaucoma*: This study is being undertaken to identify one or multiple parameters in terms of objective assessment of the configuration of the eye predisposed to angle closure glaucoma upto a high index of specific sensitively. The study will assess the critical parameters responsible for predisposing and precipitating the angle closure glaucoma by comparing the disease group to a normal age, sex and number matched group. Glaucoma as a group of blindness figures amongst the top conditions responsible for blindness.

- Research papers/ reports published : A. *Reports : 2*
  B. *Papers:* Published in Hamari Aankhen, a quarterly magazine/ newsletter being published from Hqrs. or otherwise 7 papers published during 1992-93, 7 papers during 1993-94 & 9 papers during 1994-95.

- Seminars/conferences attended/organised : (i) Seminar arranged:
  "Visual Hazards in Industries and their Environmental Effects."

  (ii) Symposium/Workshops

  By Headquarters :

  :
  (i) Ambulatory eye cataract surgery in one day.
  (ii) Ocular injuries other than industrial.
  (iii) Eye Health Education in rural sector.
  (iv) Eye care of children.
  (v) Maximum Utilisation of eye camp surgery.

  By Branches:

  :
  (1) Primary eye care for teachers.
  (2) Prevention of blindness.
  (3) Eye Care
  (4) Eye Health Education for teachers.
  (5) *Conferences Attended*: participated in number of National and International conference i.e. Fourth General Assembly of International Agency for the Prevention of Blindness held in Norway. Besides, it organised three national level conferences. Also participated in World Bank Seminar.

  (iv) P*ublic Lecture organised*: Public Lecture organised to educate the general public about the cases of those defects and remedial. The



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topics covered were (i) Nutritional blindness; (ii) Refractive error in children and their correction; (iii) ocular injuries in children; (iv) Eye injuries in school going children; (v) Eye injuries in childhood (vi) Refractive error in school going children.

- Any Others : (a) Research-cum-training: Programme conducted by Research Units.

(i) *Contact Lens Research Unit*:

(i) to find out the anatomical configuration of Indian Eyes, (2) to find out physiological functions of Indian eyes in relation to contact lenses wear, (3) application of contact lens on diseased eyes, (4) to try contact lenses on active disease of the cornea and conjunctiva (5) to correlate the cytological reactions of the eye with subjective symptoms, (6) to study the reaction of cornea to contact lens in the adaptation stages, (7) to critically evaluate the cornea oadema in adaptation stages, (8) to prescribe contact lenses as a routine service with a view to pick up research subjects, (9) to teach contact lenses to the medical and paramedical personal.

(ii) *Optical Research Unit*:

to train B.Sc. (Hons.) and ophthalmic assistance diploma course in fitting which includes ophthalmic prism action and measurement prism power, decentring, optical dispensing frames, lenses axis marking, cutting, drilling and fitting etc.

(b) National Week on Prevention of Blindness on the topics of (i) Ocular trauma, (ii) Refractive errors in children and (iii) Add Light to Years, in which number of health education activities for public were undertaken in various parts of the country.

(c) A "Fortnight on Prevention and Cure of Corneal Blindness" organised with the help of state/district branches and Govt. and non-governmental agencies.





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**Names of Senior Researchers**

- Prof. (Dr.) P. K. Khosla
- Prof. (Dr.) L. D. Sota
- Prof. (Dr.) H. K. Tewari
- Prof. (Dr.) V. K. Dada
- Dr. (Mrs.) R. Diwan
- Dr. Rakesh Agarwalk
- Dr. R. Trishal



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# NOWROSJEE WADIA MATERNITY HOSPITAL
# SIR NESS WADIA RESEARCH SOCIETY

**Address:**
Acharya Donde Marg, Parel,
Bombay-400 012.

## Background

Status of the SIRO : Registered Society

Year of establishment : June, 1987

Major objectives/
Major research areas :

(i) To test methods of diagnosis and methods of treatment.

(ii) To finding out causes/aetiology of medical disease and obstetrical problems.

(iii) Screening patients for infections etc.

(iv) To finding out epidemiological factors related to obst./gyn. problems.

(v) Development of newer methods of investgations.

(vi) To test endoscopic methods of diagnosis and treatment.

(vii) To counselling of patients for prevention of early detection of various obst./gyn. problem.

(viii) To calculate results, to analyse outcomes and to formulate modified methods of management.

(ix) To develop protocols for research.

(x) To conduct maternal and perinatal audits.

Initial recognition : May, 1994

## Income and R & D expenditure

(Rs. in lacs)

| | 1992-93 | 1993-94 | 1994-95(Approx) |
|---|---|---|---|
| *Income* | | | |
| Donations received | 0.29 | — | 50.20 |
| Grants received | 0.49 | 0.10 | 0.13 |
| *Expenditure on R & D* | | | |
| • Capital | 1.11 | 0.65 | — |
| • Recurring | 10.93 | 7.35 | 8.06 |

## Infrastructural facilities

— Land and building : 7510 sq. ft.

— Equipment facilities : Gross Value Rs. 55 lacs approx.



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List of sophisticated equipment

The centre is well equipped with Sophisticated facilities like Gamma Counter, HIV Pasteur washer, HIV posteur reader, Flame Photometer, Blood Cell Counter & a Host of other equipments.

R & D Manpower

| | Qualification | Full time |
|---|---|---|
| Scientific & Technical | Post graduates | 11 |
| | Graduates | 4 |

Library facilities Library housed in the Research Department provides Text books on Obstetrics/Gynaecology, Ultrasound, Oncology, Anaesthesia Colposcopy, Culdoscopy, Endocrinology, Family Planning, Genetics, Hysteroscopy, Inferility, Laparoscopy, Perinatology, Pathology, Radiology, Urology etc.

**Major achievements claimed**

- New techniques methodologies developed and implemented
  - (i) Foetal autopsy.
  - (ii) Epidemiology of Pregnancy and Child Birth.
  - (iii) Tests of Perinatal Infections.
  - (iv) Tests of Autoimmune Diseases.
  - (v) Intrauterine Invasive Procedures.
- Research papers/reports published
  - : Chapter in Books in FOGST:Pregnancy at risk—Current Concepts:
  - (a) Tobacco Use in Pregnancy
  - (b) Immunisation in pregnancy

  Contributed to "FOGSI Focus on PG uses in labour.
  Research papers presented:"
- Seminars/Conferences attended/organised
  - (i) International Conference on High Risk Pregnancy.
  - (ii) International Conference on Thalassemia and the Obstetrician.
  - (iii) Regional Conference of Obst./ Gyn. of Marathwada Societies of Obst./Gyn.
  - (iv) National Conference on Population and development.
  - (v) International Conference on Pratical Obstetrics.
  - (vi) International Conference of FIGO/FOGSI on Human Reproductios, Technical Advances and Ethical issues.



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**Name and Designation of five Senior Researchers**

- Dr. Ajit C. Mehta, Hon. Director
- Dr. (Mrs.) K.M. Ingle, Hon. Secretary
- Dr. Ajay A. Mehta, Research Officer
- Dr. S. Ratnaparkhi, Pathologist
- Dr. A.V. Shukla, Pathologist



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# NUTRITION SOCIETY OF INDIA

Address:
National Institute of Nutrition,
PO-Jamai Osmania,
Hyderabad-500 007, AP,
India

**Background:**

Status of the SIRO : Nutrition Society of India (NSI) is estabished primarily to represent the fraternity of nutrition scientists in India to promote the Science of Nutrition. The Society was registered under the Andhra Pradesh Public Societies Registration Act No. 1 of 1350 Fasli in 1966. The Founder President of the Society is Dr. C. Gopalan, who was the Director of the National Institute of Nutrition, Hyderabad, and the Director-General of the India Council of Medical Research and is at present the President, Nutrition Foundation of India, New Delhi. the NSI is proud of its distinguished past Presidents, Dr. M.S. Swaminathan, Prof. Ashok Mitra, Dr. S. Varadarajan, Dr. Rajammal P. Devadas, Dr. K.T. Achaya, and the present President, Dr. B.N. Tandon-all living legends known for their scientific achievements and the sheet anchors of the Society.

Major objectives : Organise national/international conferences, symposia and seminars to disseminate knowledge and change information on Scientific issues, Promote nutritional research throughout the country and provide opportunities for scientists, Young and old to activity participate in the Scientific deliberations, Invite international Scientists of reputs to participate in its Scientific deliberations.

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 0.02 | - | 0.15 |
| Grants Received | 1.88 | 0.57 | 2.00 |
| Other income | 0.52 | 0.75 | 0.66 |
| *Expenditure on R&D* | 3.36 | 1.52 | 3.17 |

**Major achievements claimed**

(i) The XXVII annual Conference of the Society was held on 24-25th November, 1994 at the National Insitute of Nutrition, Hyderabad. Several eminent nutritionists from India and abroad participated in the meeting. As earlier, the metings also attracted large number of students from various branches of nutritional sciences, particularly from Home Science Colleges and Agricultural Universities.



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The major highlights of the meet are the two prestigious orations- Gopalan Dration and Dr. Srikantia Memorial Lecture. Prof. W.P.T. James, Director of the Rowett Research Institute, U.K., delivered the Gopalan Oration on "Assembling Energy Needs-Recent Advances". Dr. Tara Gopaldas from Baroda delivered Srikantia Memorial Lecture on "Problems and Prospects in up-scaling Nutrition-Research-Action Projects or Pilots to Programmes".

A Panel Discussion was organised on "The National Nutrition Policy and Plan of Action". Dr. Vinodini Reddy, Vice-President of IUNS and Direcor of National Institute of Nutrition, Hyderabad, outlined the salient features of the national Nutrition Policy, which was approved by the Government of India last year. Subject expert in key sectors of Agriculture, Women and Child Development, Health and Economics emphasized the importance of multi disciplinary approach to achieve the goals of National Nutrition Policy to have its impact on the community.

(ii) In the Symposium on "Food Safety and Food Quality", Dr. Jon Lupien, Director, Food Policy, FAO, Rome, stressed that food control is just not a more restrictive policing activity, but a valuable contributor to the national development, general health, nutritional status and well being of the population. Three other speakers presented the status of Indian processed foods, newer adulterants and microbiological quality of foods.

Other symposium on "Diet Related Chronic Diseases" revised the magnitutre of the problem of diet related chronic diseases in Indians such as diabetes, hypertension and coronary heart disease. They presented recent avidences on the ole of diet in the prevention and management of these diseases.

(iii) Three awards were given for the best papers presented by the young scientists in the field of Community Nutrition and Experimental Nutrition.

(iv) The 23 Local Chapters of the Society, located in different parts of the country during the year under report, arranged 65 lectures, 17 scientific seminars, 8 workshops and 9 demonstrations. In additional, Local Chapters organized 16 exhibition, 12 radio/television talks and 11 nutrition camps, and brought out 10 publications to disseminate nutrition knowledge to the public. For active participation of students, 12 quiz and debate competitions were conducted.



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# POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION & RESEARCH

**Address:**
Post Graduate Institute of Medical Education & Research,
Chandigarh-110 012.

## Income and R & D expenditure:

(Rs. in Lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received: | — | — | 1000.00 |
| Grants received: | Plan 858.50 | 443.00 | 350.00 |
| *Expenditure on R&D* | | | |
| • Capital: | Plan grant 430 | 385 | 1420 |
| • Recurring: | Nil | Nil | Nil |

## Infrastructural facilities:

Land : Area: 277 Acres approximate

Building : Area of Institutional buildings: 2,17,226,96 Sq meters

## List of sophisticated equipment:

The Institute is well equipped with sophisticated equipments such as Electrosurgery-unit, Radiometer Blood gas Analyser, Image analysis ystem with suitable software and Microscope, UV-VIS Spectrophotometer, Microprocessor controlled inspirator, Lithoclast, External Hip system, Antolink Body, Plethsymograph system and a host of other sophisticated facilities.

## R & D Manpower:

| | Qualification | No. |
|---|---|---|
| Scientific & Technical: | Doctorates | 37 |
| | Post graduates | 197 |
| | Graduates | 3 |

Library facilities : Reprographic, Modlarf Audio visual facilities are provided

## Major achievements claimed

*New Techniques/Methodologies Developed and Implemented*

i) Department of Anaesthesia: A new programme leading to painless deliveries was initiated.

ii) Department of Biochemistry: Several new tests were introduced during 1993-94. These included assay of blood alcohol, CPK-MB and T T. A special Laboratories was set up to carry out biochemical tests on samples of 'AIDS' patients.

iiii) Department of Biphysics: The Department of Biophysics designed a new equipment for genration of 0 and 50Hz magnetic field of the order of 0 to 2 mt strength for study of effects of magnetic field on biological systems of animals.

iv) Department of Blood Transfusion: A Zonal Blood Testing Centre for AIDS has been set up in the department. Infrastructure has been created for pre-deposit autologous blood donations.



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v) Department of Cardiology: A new procedure for staged dilation of coarctatin of aorta was developed. A new animal model of eosinophilia was established.

vi) Department of Cardio-Thoracic: In the Department of Cardio-Surgery. Thoracic Surgery, elective as well as emergency coronary artery bypass graft surgery for intractable angina and failed PTCA was established.

vii) Department of Community Medicine: The department provided consultancy to the Department of Health, Government of Himachal Pradesh for establishing a mortality surveillance project.

viii) Department of Endocrinology: Intravaginal administration of bromocryptine (BEC) mesylate was found to be an effective and a safe alternative to oral BEC in management of tumor hyperprolactinemia.

ix) Department of Exp. Med. & Biotech.: The Department of Exp. Med. and Biotech. was engaged in the study of mechanisms of diarrhoea and development of genetic probes to detct susceptibility to rheumatic rever and rheumatic heart disease. The Department has established a central instrumentation facility which houses sophisticated, expensive equipments like HPLC, FPLC radio countrs and autoanalyser.

x) Department of Histopathology: A tissue culture laboratory has been established for study of cell proliferaton in breast epithelium.

xi) Departent of Immunopathology; Cones are being evaluated for diagnostic and potential.

xii) Department of ENT: New audiology clinic and hearing test laboratories were commissioned in our new ENT outdooe building.

xiii) Department of Obstt. & Gynae.: The World Health Organisation has redesignated the department as a Collaborating Centre for Research in Human Reproductoin for a period of 4 years.

xiv) Advance Paediatric Centre: The construction of the Advanced Paediatric Centre which will house a 3000 beded hospital and associated laboratories was started.

xv) Department of Radiotherapy: The Department of Radiotherepy introduced the manual after loading iridium-192 brachtherapy facility for treatment of cancer of the head, neck and breast.

xvi) Department of Opthalmology: In the Department of Opthalmology treatment for detachment of retina was started.

- Research papers/reports Published : 346
- Seminars/Conferences attended/organised : National : 135
  International : 47
- Awards won : i) Award for the subject:

  Does Fluid Restriction Improve the Outcome of a Acute Meningitis at the 32nd National Conference of the Indian Academy of Paediatrics held in December at Indore.

  ii) Research Award in Pharmacology for 1994 by Indian Drug Manufacturers Association, Bombay.





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iii) IACP Academic Exellence Award by the Indian Association Clinical Psychologists.

iv) ICMR Research Award (Dr. C.G.S. Lyder Oration) for Research on Leprosy for the year 1993.

v) "Young Clinician Award" of the World Congress of Gastroenterology Los Angeles.

vi) Bhagawat award of Indian Psychiatric Society at the Annual Conference at Patna in January.

vii) Bhagawat award of Indian Psychiatric Soceity at the Annual Conference at Patna in January.

viii) Bhagawat award of Indian Psychiatric Society at the Annual Conference at Patna in January.

ix) Sir Shri Ram Memorial Award of Indian Academy of Medical Sciences.

x) Smt. Kanwal Satbir Award.

xi) B.P. Pandey Memorial Oration and First award endowment oration of Indian Association of microbiologists.

xii) Dr. B.C. Roy National Award and Utrich Henschke Memorial Oration.

xiii) Dr. B.C. Roy National Award & Shiromani Mahila Award.

xiv) Dr. B.C. Roy National Award, Sarabhai Oration of Physicians of India & K.L. Wig Oratin of Indian Association for Advancement of Medical Education.

xvi) Nestle International Fellowship for Advanced training in U.K.

xvii) Conferred Honorary Membership of British Paediatric Association.

xviii) Conferred MNAMS by National Academy of Medical Sciences.



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# RAJKOT CANCER SOCIETY

**Address:**
Research Wing,
Smt. Varantben R. Desai Cancer Research Centre, Rajya Road,
Rajkot-360 001

**Background**

| | | |
|---|---|---|
| Status of the SIRO | : | Institution |
| Year of establishment | : | 1969 |
| Major objectives | : | To undertake Scientific Research in the area of Cancer Prevention, Early Diagnosis & Optimization of Management. |
| Major research areas | : | Radiotherapy, Chemotherapy, Surgery, Pathology, Preventive Oncology, Cancer Education, Ayurvedic Medicine, Earliy detection |
| Intial recognition by DSIR | : | April, 1985 |

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|---|
| Donations received | : | 4.38 | 4.17 | 33.68 |
| Grants received | : | Nil | Nil | Nil |
| Other Income | : | 9.41 | 4.83 | 5.32 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.78 | 0.28 | 4.55 |
| • Recurring | : | 7.06 | 11.69 | 9.36 |

**Infrastructural facilities:**

| | | Value: |
|---|---|---|
| Land & Building | : | Rs. 6.43 Lakhs |
| Equipment facilities | : | Rs. 57.04 Lakhs |

List of sophisticated equipment :

— Cobalt Theratron 780 and its equipments
— Radiation Instruments
— Minotome demand defrost Cryostat Instrument
— Hematology Analyser Instrument Ultra Sound Sonography Machine
— Computer Unit Instruments
— Microtome Instruments
— Mammography Unit Instrument

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Science & Technical | Post Graduates | 1 | 23 |
| | Graduates | 3 | 08 |
| Social Sciences & Others | Graduates | 4 | - |
| | Others | 1 | - |

**Major achievementc claimed:**

- New Techniques/methodolo-giesdeveloped and implemented: Transperineal IR-192 wire Implant



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- Research papers/Reports Published : 2
- Seminars/Conferences attended/organised : 4

**Name and Designation of five Researchers**

- Dr. V.K. Gupta, Medical Director
- Dr. J.N. Mody, Hon. Head & Neck Cancer Surgeon
- Dr. Mrs. V. Gupta, Chief Pathologist
- Dr. D.H. Dastur, Hon. Surgeon
- Mr. J.L. Mathur, Chief Physicist



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# REGIONAL CANCER CENTRE

**Address:**
Medical College Campus
Trivandrum-695 011
Kerala, India

## Background

Status of the SIRO : Autonomous body sponsored jointly by the Government of India and Government of Kerala. For academic matters it is attached with the Medical College, Trivandrum and University of Kerala.

Year of establishment : 1981

Major objectives :
(i) To Provide facilities for modern treatment of cancer
(ii) To evolve cancer control Programmes to provide necessary facilities for fundamental and clinical research, teaching undergraduate, postgraduate and paramedicals, generation of trained manpower for medical and other biological sciences research.

Major research areas : Biological markers in the diagnosis of cancers, plant lectin studies, immunological studies of cancer patients, Ethnopharmacological studies, viral aetiology of cancer, clinical cancer reseach and community oriented researches.

Initial recognition by DSIR : May 1988.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received | 0.24 | 0.10 | 10.50 |
| Grants received | 49.31 | 59.53 | 66.50 |
| Other income (other sources) | 2.45 | 11.18 | 16.50 |
| *Expenditure on R & D Capital* | | | |
| • Capital | 40.50 | 43.00 | 64.25 |
| • Recurring | 11.50 | 13.81 | 25.75 |

## Infrastructural facilities

Land & Building : Land : 16.5 hectacres
Building : 23,000 Sq. mts.
Value : Rs. 1000 Lakhs

Equipment facilities : Gross Value : Rs. 500 lakhs.



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List of sophisticated equipment : Equipments worth Rs. 500 Lakhs are available in this Centre.

R & D Man Power

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Medical Post Graduate | 45 | 4 |
| | Doctorates | 12 | Nil |
| Technical | Radiographers | | |
| | Lab. Technicians | 52 | Nil |
| | Nurses | 80 | Nil. |
| Social Sciences & Others | Post Graduate | 7 | Nil |

List of sophisticated equipments:

The Centre is well equipped with sophisticated equipments such as X-Ray units: Laninex tomogram unit, Biopsy probe attachment Doppler & Keayboard Colour doppler unit, Mammography unit Gama camera, Gama Ray Spectrometer, Radioisotope calibrator, Ultrasound Scanner, Linear accelerator, Radiotherapy Stimulator and a host of other sophisticated facilities.

Library facilities:

| | |
|---|---|
| No. of books | 4540 |
| Journals | 95 |
| Reports & Reprints | 1825 |
| Dissertations | 62 |
| Video/Audio cassettes | 1 |
| MEDLARS | Data base |

**Major achievements claimed :**

- Techologies developed and ready for upscaling : Lectin as a biological marker
- New Techniques/methodologies : Indigenous plants for treatment of cancer developed and implemented (Ethnopharmacology)
- Research papers/Reports published : 180 (3 yrs)
- Seminars/Conferences attended/ organised : 15
- Awards won :
  - i) Director got 4 awards
  - ii) 6 staff got several National awards
  - iii) Institute got 2 awards

**Name and Designation of Senior Researchers**

- Dr. M. Krishnan Nair, Director
- Dr. Prabha Balaram, Addl. Prof. of Cancer Research
- Dr. M. Radhakrishna Pillai, Assoc. Prof. of Laboratory Medicine & Tumour Biology
- Dr. Ravindran Ankathil, Asst. Prof. of Cancer Research
- Dr. V.N. Bhattathiri, Assoc. Prof. of Radiotherapy



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# SANJAY GANDHI ACCIDENT HOSPITAL & RESEARCH INSTITUTE

**Address:**
4th 'T' Block, Jayanagar
Bangalore-560 041

**Background**

Status of the SIRO : Sanjay Ganghi Accident Hospital & Research Institute was started in 1984 as "Bangalore Accident Complex" with 75 beds in a portion of Jayanagar General Hospital. This is an Autonomous Institution and is managed by the Governing Council with the Hon'ble Chief Minister of Karnataka as its Chairman and the Hon'ble Health Minister as the Co-Chairman.

Major objectives

(i) To achieve the full development of the Institute into an advanced Trauma Care Centre for Accident relief, Neuro-Surgery, General Surgery, Plastic Surgery, Dental and Facio Maxillary Surgery, Orthopaedic Surgery, Burns, Anaesthesia, Ocular injuries and Physiotherapy treatment and to undertake Research and Development in these fields and training.

(ii) To plan and develop the Institute into an advanced centre for comprehensive care of Accident patients and to render medical aid and other services Research into the causation of serious accidents and training of medical and para-medical personnel.

(iii) To take steps to educate the people regarding the prevention of accidents and road safety.

(iv) To organise screening programmes of accidents in the vulnerable areas and education of the public in the prevention of accidents.

(v) To undertake measures to rehabilitate the accident victims, provide mobile medical services and to arrage legal services.

(vi) To promote collaboration efforts between the Institute and all Health Care Organizations and Institutions, all voluntary, Social and service organizations and Institution engaged in the care of accident patients.

(vii) To offer consultation services to other Hospitals, Nursing Homes, General Practitioners and other peripheral health care Units.

(viii) To support, organise and encourage clinical and basic research programmes relating to the diagnosis and treatment of accident cases.



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Major research areas

(i) Orthopaedics and Anaesthesiology.

(ii) Comparative study between ILIZAROV procedure and conventional methods in the management of compound fractures of Tibia and Femur.

(iii) Comparative study between ATRACURIUM AND PANCRONIUM in the management of Poly-trauma cases.

Initial recognition: December, 1993.

**Income and R & D expenditure**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | 9.00 | 11.50 | 12.07 |
| Grants Received | : | 170.00 | 205.00 | 188.00 |
| Other income | : | 14.88 | 8.31 | 7.53 |
| *Expenditure on R&D* | | Nil | 2.43 | 4.14 |
| • Capital | : | Nil | Nil | 1.40 |
| • Recurring | : | Nil | Nil | 2.74 |

**Infrastructural facilities:**

Land & Building : Area : The total built in area of the new Hospital in the Ground, First and Second Floors is 13,116.46 Mtrs.,

Value : The total cost of construction of Physical Medicine & Rehabilitation Centre in 1990 was Rs. 30.00 Lakhs.

The Total Cost of Construction of the new Hospital at Byrasandra is Rs. 500.00 Lakhs for Ground and First Floors (Estimated cost —Rs. 600.00 Lakhs) for completion of second floor.

Equipment facilities : Gross Value: Rs. 30.00 lakhs

List of sophisticated equipment :

— Two Ventilators
— One Oxycap (Ohmeda)
— One Pulse Oxymetre

**R & D Manpower:**

| | Qualification | Full time |
|---|---|---|
| Scientific & Technical | M.B.B.S., M.S., (Ortho), D. Ortho | 1 |
| | M.B.B.S., D.A., Anaesthesiology | 1 |

**Library facilities**

Essential Books on all the subjects as orthopaedics, Plastic Surgery, General Surgery, Facio-maxillary, surgery, Anaesthesiology, Radiology and Neuro Surgery are available. It is proposed to allot Rs. 50,000/- to Rs. 1.00 Lakh annually to expand the library.



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**Major achievements claimed**

i) Initially, only orthopaedic and General surgeons were posted to treat trauma cases. In the course of time, other specialities as Plastic surgery, Facio-maxillary surgery, Neuro Surgery, Radiology, Anaesthesiology, Urology and General Medicine have been included in the faculty. Now, in addition to Road Traffic Accidents, accidents due to various other causes as accidents at home and Industries are taken up. It has been decided in the recent Governing council meeting that the activities of the Institute could be expanded by treating General Orthopaedics, Plastic surgery and Burn cases.

ii) Research work is being carried out in Orthopaedics and Anaesthesiology. Comparative study between Ilizarov procedure and conventional methods in the treatment of compound fractures of Tibia and Femur is carried out by Dr. H.S. Chandrashekhar, Lecturer in Orthopaedics. So far, 6 cases have been studied and it is proposed to study 20 cases. More cases could be carried out if equipments like Image Intensifier is available. It is proposed to acquire an Image Intensifier at a cost of Rs. 35.00 Lakhs when the financial position improves.

A Lecturer in Anaesthesiology is conducting Research in the comparative study between Atracurium and Pancuronium in the managment of Polytrauma Cases, So Far, 20 Cases have been studied and it is proposed to study 100 cases.

It is proposed to shift to the new Hospital of this Institute by the second week of October 1995. The ground and first floors of the new Hospital can accommodate 125 beds. It is proposed to undertake Research work in other specialities as Micro-vascular surgery, Hand injuries and Burns. When the second floor is completed, the Hospital can accommodate additional 250 beds. A Tower Block with five floors to accommodate additional 350 beds is provided in the Plan. Sanction has been made for the construction of a modern Burns Unit to treat 30 acute Burns cases with emphasis on Burns in children.

iii) Physiotherapy is given to both In-patients and Out-patients in the present Hospital. Artificial limbs are manufactured in addition to giving Hydrotherapy and Physiotherapy at the Physical Medicine & Rehabilitation Centre at Byrasandra.

iv) It is proposed to start Post Graduate Degree and Diploma courses in Orthopaedics, Plastic Surgery, Anaesthesiology and Physical Medicine when the Hospital is shifted to the new building.



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# SCHIEFFELIN LEPROSY RESEARCH AND TRAINING CENTRE

**Address:**
Shieffelin Leprosy Research & Training Centre, Karigiri-632 106.
North Arcot Ambedkar Dist.,
Tamil Nadu

## Background

Status of the SIRO : Registered Society.

Year of establishment : June, 1955

Major objectives :

(i) To treat leprosy patients without distinction of caste, creed or colour and to demonstrate the most effective methods for control of leprosy, its management and the rehabilitation of leprosy patients.

(ii) To provide a centre for the training of medical and paramedical personnel in all disciplines required for the Management of Leprosy.

(iii) To carry on research to further knowledge contributing to the ultimate solution of the leprosy problem.

(iv) To undertake such other activities in the interest of persons suffering from leprosy, as the Board of Governors may time to time determine.

Major research areas : Health Systems Research, Chemotherapy of Leprosy with new drugs under field conditions, Rehabilitation and Disability Prevention, Gender Issues in Leprosy, Biochemical basis of Nerve Damage in Leprosy, Biochemical events in cell activation, presence and possible role of protein kinases in M. leprae Metabolism, Ocular Leprosy, Reconstructive Surgery, Optimum sites for skin smears, etc.

Initial recognition by DSIR : June, 1995

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 1.64 | 3.44 | 0.06 |
| Grants received | 135.67 | 124.16 | 115.34 |
| Other income | 28.26 | 36.44 | 38.93 |
| *Expenditure on R & D* | 129.93 | 131.17 | 128.07 |
| • Capital | 21.00 | 13.72 | — |
| • Recurring | 18.67 | 19.01 | 35.97 |



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**Infrastructural facilities**

Land & Building : Value : Rs. 46.34 lakhs.

Equipment facilities : Gross Value : Rs. 37.51 lakhs.

List of sophisticated equipment :
- — Scintillation counter with printer
- — Refrigerator centrifuge
- — Microplate reader (Elisa reader)
- — Lyophilizer
- — Spectrophotometer
- — Operating Microscope
- — X-Ray Unit
- — Short wave Diatheramy
- — Muscle Stimulator and Ultra sound
- — Local Area Network to all Departments in the institution.

R & D Manpower

| | Full time | Part time |
|---|---|---|
| Scientific & Technical Postgraduaties in Medicine/Dermatology/ Surgery/Epidemiology/Ophthalmology/ Pathology | 7 | 7 |
| Medical Graduates | 1 | 2 |
| Technical (Lab./Physio/O.T./PMW/Ortho. etc) | 18 | 18 |
| Social Sciences & Others | 3 | 2 |
| Others | — | 3 |

Library facilities : The Library is located in a well equipped building with books and periodicals on Dermatology, leprosy, medicine, opthalmology, biochemistry, microbiology, physiotherapy, occupational therapy, biostatistics, reconstructive surgery, pathology, immunology, epidemiology and leprosy control and Sociology and Psychology.

Books : 3133

Periodicals Bound Volumes : 1337

Magazines & current journals : 95

**Major achievements claimed :**

- Research Paper/Reports published : 10
- Seminars/Conferences attended/organised.

Seminar/Workshop Organized:

1. Social Sciences Research and Social Action for Better Leprosy Control.
2. Income Generation Workshop.
3. Multi Disciplinary Approach to Prevention of Disability in Leprosy.
4. Symposiums on : AIDS – Tuberculosis and Leprosy
   Legal Aspects of Leprosy
   Prevention of Disability

Sr. Staff Attended Workshops/Seminars on :

— Gender Issues in Leprosy, organised by DANLEP

— Leprosy Elimination Programme organised by IAL at Pune



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— Indian Association of Leprologists' Biennial Conference at Madras
— International Leprosy Congress at Or lando

- Awards Won

i) Gayathiri Award for best Para Medical Worker involved in Leprosy Control activities — Awarded by Gandhi Memorial Leprosy Foundation.

ii) Gandhi Memorial Award for Rehabilitation activities carried out to leprosy patients — Awarded by International Leprosy Foundation.

**Name and Designation of Senior Researchers**

- Dr. P.S.S. Sundar Rao, Director
- Dr. Kumar Jesudasan, Epidemiologist & Head Branch of Epidemiology
- Dr. S. Arunthathi, Dermatologist & Head Branch of Medicine
- Dr. Samuel Solomon, Recon. Surgeon & Head Branch of Surgery
- Dr. Ebenezer Daniel, Head & Ophthalmologist Ophthalmology Depart.
- Dr. Lavanya Suneetha, Research Officer



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# SCHIZOPHRENIA RESEARCH FOUNDATION (INDIA)

**Address:**
C-46, 13th Street, East Anna Nagar,
Madras - 600 102

**Background**

Status of the SIRO : Schizophrenia Research Foundation (India) is a voluntary non-profit organisation. It is registered under the Tamilnadu Societies Registration Act of 1974.

Year of establishment : 1984

Initial recognition : May 1988

Mojor objectives
(i) Research in Schizophrenia to design better treatment and rehabilitation techniques.
(ii) Treatment and rehabilitation of the mentally disabled (Affected by Schizophrenia).
(iii) Public Education on mental illness to remove the stigma attached to mental illness.

Major research areas : Mental illness/Schizophrenia

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | : | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations Received | : | 1.19 | 2.74 | 1.28 |
| Donation Corpus | : | 21.85 | 23.72 | 20.33 |
| Grants-Govt. | : | 5.00 | 1.00 | 8.00 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.17 | 14.38 | 10.21 |
| • Recurring | : | 13.45 | 16.97 | 12.63 |

**Infrastructural facilities:**

Land: : Area: $3^1/_2$ acres of vacant land, Value: Rs. 1.50 lakhs

Building : Functioning in a rented building.

Equipment facilities : Gross Value: Rs. 3.00 lakhs (Approx.)

List of sophisticated equipment :

386 AT Computers, Laser Printer, Xerox Machine, Behaviour modification therapy machine etc.

R & D Manpower:

| | Qualification | Full time |
|---|---|---|
| Scientific & Technical | Medical | 5 |
| Social Sciences & others | All Post Graduates | 8 |

Library facilities

Moderate size library with plenty of volumes on psychiatry and allied subjects. Many college students use our library for reference.



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## Major achievements claimed

(i) The Schizophrenia Research Foundation (SCARF) has been engaged in schizophrenia research since its inception in 1984. Schizophrenia is a major mental illness affecting nearly one percent of the population at any point in time. However, much needs to be understood about the illness itself and therefore research is one of the primary objectives of SCARF.

The primary areas of research have been:

1. Course and outcome of illness.
2. Phenomenology-study of signs and symptoms.
3. Social supports and social networks.
4. Efficacy of various treatment modalities.
5. A specific focus on rehabilitation strategies in chronic mental illnesses.
6. Community based rehabilitation.

SCARF has completed several projects during the last three years on these areas. It has active collaboration with international agencies of repute such as the Johns Hopkins University, Baltimore, USA, the International Development Research Centre, Canada and the Dumfries Hospital, Scotland. The World Health Organisation (WHO) has involved SCARF in serveral of its ongoing research activities. An impressive galaxy of international researchers serve as consultants to SCARF's research programmes.

Since rehabilitation research is one of the thrust areas, international bodies such as the World Association for Psychosocial Rehabilitation (WAPR) have recognised the expertise of SCARF in this area and encourages SCARF to hold periodic international meetings on related themes.

(ii) With support from pharmaceutical companies, SCARF has been holding seminars and workshops ensuring high academic standards and good participant participation. Over half a dozen publications that have been brought out by SCARF document the proceedings of these seminars and have been greatly welcomed by the scientific community. The staff of SCARF regularly present scientific papers in major national conferences.

(iii) The following information appended detail the accomplishments of SCARF in Schizophrenia research.

| Major Research Projects of SCARF: | Year |
|---|---|
| 1. Neuropsychiatric Evaluation of Children of Schizophrenics | (1985-86) |
| 2. Longitudinal Study of Functional Psychosis in an Urban Community | (1985-90) |
| 3. Rehabilitation needs of Schizophrenic patients | (1986-87) |
| 4. Social Networks in Schizophrenia | (1987-88) |
| 5. Social Disabilities in Schizophrenia | (1988-90) |

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6. Coping in Schizophrenia in Collaboration with CIMH, Mannheim (1990-)
7. Psychosis in the Elderly (1990-92)
8. Maintenance Medication in Schizophrenia (1991-92)
9. Therapeutic Window Trial for Haloperidol (1991-92)
10. Community Based Mental Health Research in India (1991-93)

**Names of Senior Researches:**

- Dr. M. Sarada Menon
- Dr. R. Thara
- Dr. Shantha Kamath
- Dr. R. Padmavati
- Dr. Radha Shankar



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# SERUM INSTITUTE OF INDIA RESEARCH FOUNDATION (SIRRF)

**Address:**
'Sarosh Bhavan',
16-B/1, Dr. Ambedkar Road,
Pune - 411 001

## Background

**Status of the SIRO** : Institution Registered under:

(i) Society's Act, 1860 under Regn. No. Bom 363/77 and

(ii) Bombay Public Trust Act, 1975 under Regn. No. F-4604.

**Year of establishment** : 1977

**Major objective** :

(i) To undertake, conduct, carry on or help to carry on research in the fields of Medical Sciences as well as extension of knowledge in the fields of natural and applied Sciences and

(a) To conduct medical research with the object of improving the health of human beings and animals which are useful to human beings.

(b) To print, publish and circulate books, papers, periodicals, drugs and circulars for the promotion or stimulation of industrial and medical research or dissemination of its results.

(ii) To undertake, conduct, carry on, help to carry on medical research particularly in the fields of biologicals, drugs, pharmaceuticals and chemicals;

(iii) To adopt research findings to experimental and clinical purposes including the experimental production and testing of models, devices, materials, equipments, procedures and processes;

(iv) To establish, equip and maintain laboratories and Pilot Planta and Organisations for concucting and carrying on experiments and to provide funds for such work;

(v) To establish and award research felowships;

(vi) To foster the training or research scholars;

(vii) To convene conferences at such times as may be determined and to publish journals, bulletins, pamphlets etc. in furtherance of such research and other objects enumerated hereinabove;



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(viii) To organise, advise and assist in organising lectures, seminars etc. to promote the aforesaid subjects;

(ix) To conduct, undertake and participate in national and international conferences;

(x) To establish, form and form and maintain libraries and collections of literature, statistics, scientific data and other information relating thereto and to establish a media to disseminate the results of research.

Major research areas : (i) Cell Cube for cultivation of rabies virus.

(ii) Plasma Substitute.

(iii) Reactogenecity and efficacy of E-Z Strain derived Measles Vaccine.

(iv) Multicentric study on Prevalence of Rubella in Mothers of Child.

(v) Multicentric study on Incidence of Rubella in Infanta with Congenital malformations.

(vi) Immunogenicity and reactogenicity of MMR Vacine.

(vii) Sero-conversion studies on imported MMR Vaccine-Tresivac.

(viii) Intensive Immunization against Measles of Children.

(ix) Stable Vaccine for Indian climatic conditions.

(x) Clinical trials for Vaccines.

Initial recognition as SIRO : 1978

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 18.00 | 12.10 | 35.00 |
| Grants received | Nil | Nil | Nil |
| Other income | 1.25 | 0.96 | 0.08 |
| *Expenditure on R & D* | | | |
| • Capital | 1.52 | 2.88 | Nil |
| • Recurring | 28.01 | 26.08 | 23.94 |

**Infrastructural facilities**

Land & Building : Value: Rs. 4.26 Lakhs

Equipment Facilities : Gross Value : Rs. 48.76 lakhs.

List of sophisticated equipment:

The Centre is well equipped with Sophisticated equipments like spectrophotmeter, microscope, vibromixer, Auto Analyzer, Plasma separator, High performance Ultra filtration System, Cognitometer, UPLC, Enzyme Immuno Assay Analyser and a lost of other sophisticated facilities.



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**R & D Manpower**

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorate/ | 2 | — |
| | Post Graduates | 4 | 3 |
| | Graduates/ | 1 | — |
| | Others | 4 | — |

Library facilities : 1. Journals : 53

2. On line Computer with search facility

**Major achievements claimed**

- Technologies developed and ready for upgrading : 1. New stabilisers for viral vaccine;
  2. Process for preparation of:
  a) Anti snake Venom Serum &
  b) Measlses Vaccine

- New techniques/methodologies developed and implemented : (i) Process for the preparation of Mumps, Rubella and Measles in combination completed.

  (ii) Research on preparing an extract from Placenta completed. This extract has properties of would healing in case of burns, bed sores, injury, abscess, etc.

- Research papers/Reports Published : In process—
  (i) Reports on the clinical efficacy have just been completed and would be available shortly, as they are under publication.

  (ii) As soon as the clinical trials on extract from Placenta are over, reports would be available.

- Seminars/conferences/ attended/organised : (i) A Seminar was conducted on MMR vaccine by Indian Medical Association at Calcutta. The Foundation sponsored the seminar.

  (ii) The Foundation also conducted a Symposium at Indore on Mumps in 1994.

  (iii) The Foundation had sent its representative to attend the 4th Annual Conference of Indian Academy of Vaccinology and Immunobiology at Institute of Preventive Medicine, Publis Health Laboratories & Food (Health) Administration, Hyderabad.

  (iv) A workshop 'Adjuvants for Human Vaccines' was conducted by the foundation.



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**Name and Designation of Senior Researchers**

- Dr. C. S. Poonawalla
  President
- Dr. J. M. Mehta
  Vice President
- Dr. M. B. Borkar
  Member of Governing Body
- Dr. Indira Bhargava
  Director
- Dr. S. V. Kapre
  Research Scientist



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# SHRI MUKANDI LAL MEMORIAL FOUNDATION FOR HEART AND MEDICAL CARE

Address:
21, Netaji Subhash Marg,
Darya Ganj,
New Delhi - 110 002

## Background

Status of the SIRO : Registered Society.

Initial recognition by DSIR : August, 1993.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | — | 25.6 | 41.1 |
| Grants received | — | — | — |
| Other income | 6.6 | 2.2 | 3.0 |
| *Expenditure on R & D* | | | |
| • Capital | — | 9.7 | 52.6 |
| • Recurring | — | — | — |

## Infrastructural facilities

Land & Building : Foundation has set up a 50 bedded Hospital at 2 Institutional Area, Vikas Marg Extension, Karkardooma, New Delhi, named Shanti Mukand Hospital. A well equipped Research Lab has been set up in this Hospital

Equipment facilities : Gross Value : Rs. 2.45 lakhs.

List of sophisticated equipment :
— Laproscopic trainer for training for laproscopic surgery
— Stapling instruments for training and research in use of staplers in surgery.
— Heart Valve stents
— Laproscopic equipments.

Library facilities : A well equipped Library with around 1500 latest books is available. The journals & magazines subscribed regularly are:

SGO, Surgical Clinics of North America, Hospital medicine, JAMA, International Surgery, Chest, American journal of Cardiology, Indian Journal of Thoracic & Cardio Vascular Surgery, Indian Journal of Surgery, Indian Journal of Gastroenteorology, Archives of Surgery, British Medical Journal.

## Major achievements claimed

- New Techniques/methodologies developed and implemented : Endoscopic surgery in field of General Surgery, Urology, Gyane, ENT and Gestro Entrology.
- Research papers/Reports published : (i) Asepsis in surgery published in Indian Medical Tribune in May, 1995. Author — Dr. R. P. Gupta



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(ii) Stapling gaining popularity in surgery—published in Indian Medical Tribune in July' 95, Author — Dr. R. P. Gupta

- **Seminars/Conferences attended/organised** : (i) Clinical meeting of East Delhi physicians where 40 Sr. physicians attended the meeting & interesting cases like Wilson disease, Subanachnoid Spinal cyst. were discussed.
  (ii) Proton pump inhibitor in Acid Peft disease

**Name and Designation of Researchers**

- Dr. R.P. Gupta, Consultant Cardio Thoracis Surgeon
- Dr. Subodh Gupta, Consultant General Surgeon & Endoscopic Surgeon
- Dr. S. K. Paul, Consultant Urologist
- Dr. Sekhar Agarwal, Consultant Orthopaedic Surgeon
- Dr. A. R. Agarwal, Consultant Aneasthetist
- Dr. Urmil Sharma, Consultant Oncologist



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# SIR HURKISONDAS NURROTUMDAS MEDICAL RESEARCH SOCIETY

**Registered Address :**
Raja Rammohan Roy Road,
Bombay - 400 004

## Background

A registered Society established in 1973 with the object of undertaking scientific research in the area of biomedical sciences and allied disciplines. Approved U/S 35(1) (ii) of Income Tax Act, 1961 since the year 1973-74 and recognised by DSIR since the introduction of the SIRO scheme of recognition.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 20.76 | 30.67 | 21.62 |
| Grants received | 0.36 | NIL | NIL |
| Other income | 3.57 | 1.46 | 2.14 |
| *Expenditure on R & D* | | | |
| • Capital | : 7.03 | 1.24 | 0.66 |
| • Recurring | : 46.81 | 29.74 | 29.36 |

## Infrastructural facilities

Land & Building : Area : 2,500 + sq. ft. on rent

Equipment facilities : Gross Value : Rs. 47.89 Lakhs

List of sophisticated equipment :

- — DNA Amplification System
- — Automatic Elisa Reader
- — Spectrophotometer
- — Liquid Scientillation Counting System
- — Densitometry Scan
- — IaTroscan TH-10 TLC/FID Analyser
- — Platelet Aggregometer

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates<br>Post Graduates<br>Graduates | 9 | 3 |
| Social Sciences and Others | — | 11 | — |

Library facilities : Subscribes to scientific journals worth about Rs. 1 lac annually.



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**Major achievmeents claimed :**

Since its inception in 1974, this Research Society has undertaken over 80 clinical research projects. A large number of these projects have been on topics of national priority and cover 'thrust areas' of national interest.

Seminars and symposia with national level participation are organised periodically to enable scientific exchange of data and keep above of new developments. Their researchers are also encouraged to present their work at national/international conferences. Eminent scientists are invited to address the staff on topics of current research importance. An in-house seminar is held, once every fortnight, when studies being carried out here are presented by the members of staff.

In the past three years researchers have presented 36 scientific papers on research work carried out here. 17 papers/reports were published in various journals. Two of their papers received Best paper awards at national conferences. Some of the major achievements on the scientific front during the past three years are the following :

(i) Under a study aimed to evaluate the role of heredity in Coronary Heart Disease (CHD) 204 school boys aged 9-18 years and parents of those among them who had top 10% and bottom 10% values of there atherogenic variables, were investigated. It was observed that though the boys were in normal health and normal lipidemic their blood lipids and sckinfold thickness exhibited a variation which reflected family history of CHD. Further, high levels of TG and apo B:A1 ratio in the offspring appeared to be associated with high levels of these markers in parents, and low levels of these markers in the offspring were associated with low levels in parents. These observations indicate a possible heritability of triglyceride and apolipoprotein B in the sample investigated.

(ii) The study on noninsulin dependent diabetes mellitus (NIDDM) aimed to charactrise the various subsets of NIDDM by studying their hormonal profiles, insuline gene, its receptor and their products. The study also aimed to establish HLA and non HLA associations in NIDDM and to assess the cellular responses in tissue injury by the currently available immunogenetic techniques with a view to reclassifying NIDDM. This study could possibly be employed for predicting diabetes in the siblings and offsprings of patients with NIDDM and assess the role of prophylaxis in the defined groups.

(iii) The study on the etiology of goiters and evaluation of the role of iodine deficiency in school children in Bombay, provided valuable data onthe patern of urinary iodine excretion, thyroid hormones and antibody status of school children with goiters and without goiters The study does not support the role of iodine deficiency as the only major cause of goiters in school children. About 2000 school children from all socioEconomic groups were investigated under this project. A lot of basline epidemiologic data has been gathered and will be of use in future studies. The study attracted a grant-in-Aid from The Board of Research in Nuclear Sciences of the Department of Atomic Energy, Government of India.

(iv) Immunological studies in Systemic Lupus Erythematosus (SLE) and other collagen disorders revelaed, interalia, higher Mean + SEM collagen-induced platelet aggregation (PA) in the patient group, as compared to the controls. The study involved evaluating the association of antiphospholipid antibodies and lipid profile of red cell membranes; determining platelet functions; study of the



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lymphocyte subpopulations and functional status of polymorphonuclezar leucocytes; and estimation of the levels of certain plasma proteins in SLE and related disorders. Findings under the study have been published in international journals. In the process of carrying out this study, several specialised investigative facilities have been set up at our institution which will help us continue our search in this direction. This will also help us create a larger data base for more meaningful generaliation in future.

(v) Under the study on allergy to common Indian foods, 1400 subjects were screened to evaluate adverse reaction, allergic or otherwise, to food substances like pulses, cereals, vegetables, etc. that are commonly consumed by the Indian population. There are reports published from other countries, on adverse reactions to food substances like eggs, fish, shellfish, milk, etc. which form their daily dietary constituents. But Indian daily diet also comprises of pulses, cereals and vegetables. Very little research work has been carried out in our country to study the untoward reactions of these commonly consumed food items. Our study has revealed that the prevalence of food allergy in the Indian population is low (6%). Interestingly, legumes showed allergy in a high proportion of patients (64%). This is vital fact considering that a majority of our population is vegetarian. Of the legumes gram (channa) showed positive reaction in 37% patients.

(vi) The study on disorders of adrenal cortex in paediatric age group has helped establish norms for adrenalandrogens from birth to 8 years of age. It has also shown that some of these hormones, in particular 17-hydroxyprogesterone, may be elevated under stress in the newborns. This false elevation may confuse the diagnosis of congenital adrenal hyperplasia. This study has also helped in identifying other forms of cogenital adrenal hyperplasia occuringin Indian children.

(vii) Their study on Subacute Hepatic Failure (SAHF) motivated them to focus international attention on this entity which has high morbidity and mortality and is typically seen in our country. On their initiative, leading experts in the field of hepatology from all over the world met at a symposium held in Bombay in November 1992. The exchange of scientific data at this symposium has helped in identifying important research problems to be pursued on collaborative basis; and may in the long run contribute towards early diagnosis and better management of SAHF. The symposium attracted a grant from the Department of science and Technology towards publication of proceedings. Indian Journal of Gasroenterology has since published its special supplement carrying the proceedings of the above symposium.

(vii) The study on Recurrent Spontaneous Abortions (RSA) undertaken there as part of a prospective randomised multicentric clinical study at the University of Oxford, UK showed no significant difference in HLA sharing of A, B, C and DR loci among couples with RSA and controls.

(ix) Research project on Human Papiloma Virus infection studied one of the known etiological factors in cervical cancer and has proved to be one of the leading studies in the field of preventive oncology. Data under the study was presented in a paper entitled "Multi-Centric Human Papiloma Virus infection of the female genital tract' at the XXII Annual Conference of the Indian Academy of Cytologists held in Pune in January 1993. The paper was awarded the 'Nalinibai Thakar Prize for the best paper' at this conference.



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(x) Under the study on Nosocomial infection in ICU they investigated over 300 patients treated at the Intensive Care Unit over a period of two years. Prevalence of common microorganisms, the antibiogram and source of infection were evaluated. Swabs were collected from patients and also from the staff and various sites in the ICU. The study generated considerable amount of data which was presented at the 'First Indian Conference on Hospital infection—their prevention and control' held in Bombay in March 1992. This paper was awarded the first prize at the conference.

(xi) Under the study aimed at rapid detection, identification and drug susceptibility of M. Tuberculosis A typical mycobacteria they used a liquid medium for radiorespirometry and observed that mycobacteria can be detected within five days, and culture and sensitivity to antituberculous drugs can be carried out in about 10 days. With the conventional methods taking anywhere between 2-3 months, this is indeed an achievement. They subsequently used also the PCR tehcnology for the rapid detection of mycobacteria.

(xii) The study on the role of blomia tropicalis allergy among patients with extrinsic asthma has revealed that wheat powder serves as an excellent nutrient for blomia tropiCalis growth. This storage Grain mite breeds also in house dust in Bombay causing sensitization in the asthmatics.

(xiii) Full financial support from the Dept. of Science and Technology for the rsearch project entitled "An in-vitro model for the insulin resistance of diabetes mellitus using cultured 3T3-L1 cells have been recently received". The work on this proejct has just begun.

**Name and Designation of Senior Researchers :**

- Dr. M.P. Desai, Hon. Director
- Dr. P.V. Niphadkar, Consulting Chest Physician
- Dr. N. Rais, Consulting Endocrinologist
- Dr. M. Mukherjee, Senior Research Scientist
- Dr. A.R. Marita, Principal Research Scientist
- Dr. R.B. Pal, Research Scientist



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# SITARAM BHARTIA INSTITUTE OF SCIENCE & RESEARCH

**Address:**
Block 1 E
216, Acharya Jagdish Chandra
Bose Road,
Calcutta - 700 017

## Background

"Sitaram Bhartia Institute of Science and Research is due to the vision of Sri Omprakash Bhartia and Smt. Rajyashree Bhartia. They have planned the Institute to provide the infrastructure and support for work in an area of vital importance. **The Center for Heart Care and Rehabilitation** is the product of these efforts."

"The Rehabilitation of patients with Coronary Heart Disase and Hypertension can be considered as the sum of activities required to ensure the best possible physical, mental and social conditions so that the patients may, by their efforts regain a normal place in the community and have an active and productive life. The preventive aspect has to be addressed simultaneously so as to arrest the progression of the disease at all stages, before and after myocardial infarction and after Coronary Bypass Surgery."

"The Center in addition to providing excellent facilities for early diagnosis and treatment of heart diseases, aims at taking up the area of Rehabilitation of Cardiac patients. The approach to Rehabilitation is its active incorporation in the mainstream of traditional medical care. It has in its orbit assessment of cardiac functional status, application of measures designed to enhance function in a variety of spheres. Physiologic, Psychologic, Social and Others. The ultimate goal is to help a person to return to normal life style and play a useful role in the society."

## Income and R & D expenditure

*(Rs. in lakhs)*

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received | 50.01 | 24.50 | 28.75 |
| Grants received | — | — | — |
| Other income | 72.48 | 117.48 | 129.15 |
| *Expenditure on R & D* | | | |
| • Capital | 13.63 | 12.23 | 29.10 |
| • Recurring | 93.20 | 106.24 | 135.86 |

## Infrastructural facilities

Land & Building : **1.46 Acre ; Value : Rs. 190.84 lakhs**

Equipment facilities : **Gross value : Rs. 239.20 lakhs as on 31.3.95**

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorate/ Post Graduate | 39 | |
| Others | Graduates/ | 39 | |

Library facilities : **Available**

**Major achievements claimed :**

(i) Follow-up survey (Prospective Study) for CHD & Hypertension

A community based epidemiological study of CHD and hypertension in Adults (25-64 years) on a randomised sample was carried out in Delhi in 1985-87 and in a rural population in Gurgaon District in 1987-88. The same cohort of adults was re-examined on an average 3 years and 5 years after the initial



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epidemiological survey in Delhi and a rural population respectively. The follow up study had the following objectives :-

— To evaluate progress of CHD & hypertensive patients detected in the initial epidemiological study and

— To identify new cases of CHD & hypertension in normal adults who were free of these diseases in the initial survey & to determine the incidence of these diseases in the study populations.

The community based incidence study for CHD and hypetension had been carried out for the first time in our country. The risk factors for these two cardiovascular diseases were also studied. Efforts were made to obtain 12-lead ECGS from known patients from newly detected CHD & hyperTension cases and from adults without these two diseases. Fasting blood samples were also collected from known & newly detected patients and from normal adults (control group).

The overall incidence Rate of CHD was 19.7/1000 (males 17.3 per 1000, females 21.0 pr 1000). The incidence of CHD on clinical basis was 5.9/1000 (males-6.5/1000-females 5.5/1000) compared with 13.8/1000 by ECG/males-10.8/1000-females 15.5/1000). Hypercholestropaemia & systemic hypertension were the commonent risk factors. The overall incidence of CHD in a rural population was much lower, 9.2/1000 (males 11.4/1000 females 8.1/1000). The incidence on clinical basis was 0.9/1000 (males 1.8/1000-females 0.9/1000) compared with 8.3/1000 on ECG basis (males 9.6/1000 females 7.7/1000).

The annual incidence of hypertension was equal both in men & women (12.2/1000) in urban population. Of the risk factors in the hypertensives, diabetes & alocholonsumption were significant. The overall annual incidence of hypertension in the rural population was 2.8/1000 (males 3.8/1000 and females 2.4/1000).

(ii) Dietary Sources

A community based dietary survey was carried out in adults (25-64 years) in Delhi and in a rural population of Gurgaon district. Daily average intake of various nutrients was calculated. A higher in itake of cereals, milk and milk products and sugar and jagery & a lower intake of pulses, vegetables, fruits flesh foods and oils and fats was observed in the rural community. The average total caporic intake was 1749 k cal in the urban and 1910 in the rural population. The average intake of carbohydrates and proteins was 257.3g (59.0 en %) and 54.7g (12.5 en %) in the urban popualtion compared to 295.6g (61.9 g %) and 63.0g (13.2 en %) respectively in the rural group. Urban-rural differences were observed in intake of retinol, thiamine, niacin, vitamin C and vitamin E. Dietary cholesterol in take was the highest in the urban high socioeconomic group (119 mg).

(iii) School Children Survey for Blood Pressure

No authentic data are available for blood pressure (BP) in the young children (5-14 years) and at present no tracking studies have been performed in our country to study the relationship between children and adult levels of BP. The children who are in the upper range of BP are most likely to develop hypertension when they become adults. Our Institute had therefore planned to initiate a study in schoolchildren (5-14 years) and to follow them to establish distribution curve in a representative sample from low, middle & high socioeconomic groups. List of all types of schools



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in South Delhi was obtained from the respective authorities and the study was started on a randomised sample of different types of schools on 18.7.94. We have already examined 7800 children & our target is 10,000 children. This will enable us to obtain valid conclusions about BP & the Risk factors. We shall also fix up the norms of BP for different age & sex groups in these children. Respective school authorities will be informed about the children found in the higher range of BP. Parents will also be intimated with necessary advice to control BP in such chidlren. A subsample of children (hypertensive & control group) will also be subjected to ECG examination and blood lipid profile estimation. If the trend of high BP can be recognised in children, it may be possible to alter life style to prevent hypertension as well as serious compliations in later life.

(iv) Nuclear Investigations :

Department of Nuclear Medicine was awarded two international Coordination Research Projects in 1992, by the International Atomic Energy Agency, Vienna—

1. 'Nuclear Investigations in cerebral function in India'.
2. 'Qualitative Nuclear Cardiology in India'.

In February 1994, The first research coordination meeting for 'Nuclear Investinations in Cerebral function' was held in Ankara, Turkey, where the work carried out by the participating countries was reviewed. Further plans were made for the next phase.

In August 1994, the first meeting for 'Qualitative Nuclear Cardiology' was held in Vienna, Austria. The participting countries reviewed the research done and made future plans.

One of the papers titled 'Pre & Post surgical evaluation of children with craniosynostosis using Tc-99m HMPAO-Report on seven children', has been published in the American Journal of Nuclear Medicine, in the March 1995 issue.

Other papers which are being Sent for publications are :

1. "Interictal brain 99mTcHMPAO SPECT Study in cases of epilepsy with single ring enhancing CT lesion".
2. 'Internal Tc99m-HMPAO scan in patients with chronic Refractory seizures".
3. Gated wall motion and myocardial perfusion analysis using Tc99m-Sestamibi.

Both the projects have entered their third year and the progress report is being compiled for the next meeting in Delhi, in October, 1995 and Beijing, China, respectively.

**Names of five Senior Researchers**

- Dr. S.L. Chadha
- Dr. R. Tandon
- Dr. M.M.S. Ahuja
- Dr. Pankaj Dougall
- Dr. M.G. Karmarkar



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# SKIN INSTITUTE RESEARCH SOCIETY

**Address:**
N Block, Greater Kailash - I
New Delhi - 110 048

**Income and R & D expenditure**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | 3.93 | 3.16 | 3.63 |
| Grants Received | : | — | — | — |
| Other income | : | 0.029 | 0.092 | 0.079 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.85 | 0.86 | 0.099 |
| • Recurring | : | 2.91 | 2.83 | 2.64 |

**Infrastructural facilities:**

Land & Building : Skin Institute Research Society is housed within the premises of SISD. Area occupied by Research Society is costing nearly Rs. 10.00 lakhs

Equipment facilities : Gross Value: Rs. 1.66 lakhs

List of sophisticated equipment :

— Tissue Culture Equipmet
— Lyophiliser
— Expirograph
— Microscope

Library facilities : Full fledged Library Exists.

**Major achievements claimed :**

**Research work during on various projects is summarised:**

**Project 1:** Development of Herbal Drugs as alternative medicine for certain skin diseases.

Research work involves standardisation through procedures of Clinical Pharmacology Clinical Trials and Comparitive Evaluation with standard alopathic drugs.

**1 A. Development of a new concept technology and a new standardised drug from Andropogon Muricatus Retz. (Khas-Khas) for use in dermatoses associated with sense of heat (SOH).**

The dried herb was phytochemically and chemically standardised. The Research society has shown that Sense of Heat is associated with statistically significant increase in IgE levels, basal metabolic rate (BMR) and skin temperature. The Skin Institute Research Society has shown that the administrationof Andropogon muricatus in the form of a standardised syrup considerably decreased SOH in patients with various dermatoses alongwith improvement in related conditions.

**1 B. Swertia Chirayita in ACNE Vulgaris**

Standardised herb was clinically tried. Clinical trials were planned. The patient were divided into two groups. One group was given Chiraita and the other were given Doxycyline.

Phagocytic index was the criteria of beneficial results of S. Chirayita studies before and after treatment using Behl's modification of Broker et. al technique. (Behl P.N. & Tripathi R.L., Response of Phagocytic Co-efficient to different therapeutic agents in chronic skin infections, Asp Aller & Immune. Vol. 8,1975).



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**Project 2:** Studies on Pigmentary Disorders (Like vitiligo)

**2A. P. Lotion**

Normal asyphylitic placenta will be collected in the Phosphate buffered Saline Solution in antibiotics. Placenta would be washed several times with PBS. Then it will be dep freezed for 7-8 days. Tissues will be removed from the collagen and fat and then homogenised. The mixture then will be centrifused for 30 minutes at 30000 mm. Solution thus obtained would be filtered giving the P. Lotion stock. The stock will be diluted with PBS+antibiotics. (1:10 dilution) enzyme alkaline phosphatage unit between (40-60) KAV.

**2 B. Skin Culture: A new technique developed**

A technique has been developed through which one can multiply melanocytes in culture from a small specimen of normally pigmented buttock skin and reimplant them into depigmented sites of Vitiligo. Often an excess of cells which would like to store for later use in the event a patient requires further treatment. It was reported here on 4 cases in which they have cryostored cultured melanocytes for 6-12 months, recultured them and obtained encouraging survival rate. Melanocytes left over after treatment are now routinely frozen.

**Project 3: Linkage with Industry Projects carried out on their behalf**

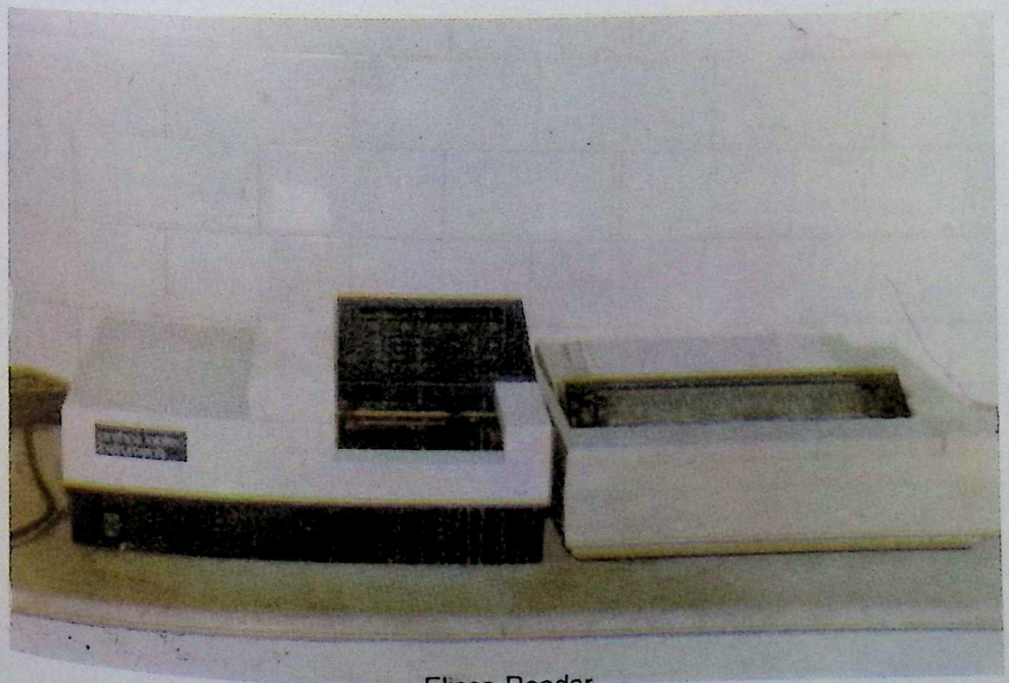
Herbal preparations given by Hamdard National Foundation, New Delhi, were tried in Psoriasis, Acne, Scabies, Air Born Contact Dermatitis cases. The total number of cases in Psoriasis are 98, in Acne 97, in Scabies 21 and Air Born Contact Dermatitis 12.

Maximum benefit was obtained with local oily preparations in Psoriasis and Acne.

- Research papers/Reports Published : 19
- Seminars/Conferences attended/organised: International-2
  National -2

**Name and Designation of five Senior Researchers**

- Prof. P.N. Behl, FRCP Director, Skin Institute Chairman, SIRS
- Dr.A. Agarwal, Dean Skin Institute & Secy. SIRS.
- Prof. P.R. Das Gupta, Chief Pathology & Biochemistery & member SIRS.
- Dr. R.B. Arora, Prof. Dermatological Research & member SIRS.
- Dr. Moris.



Elissa Reader



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# SPAN RESEARCH CENTRE

**Registered Address:**
175, New Industrial Estate,
Road No. 6-G,
Udyognagar, Udhna 394210

**Background**

Status of the SIRD : Registered Society

Year of establishment : 1982

Major objectives : To contribute to the research in the field of health care area in India.

Major research areas :
(i) Development of Monoclonal & Polyclonal antibodies for the various diseases.
(ii) Development of Elisa Techniques for the quantitation of different hormones.
(iii) Immuno diagnosis of different autoimmune and tropical diseases.
(iv) Isolation & Purification of Enzymes and antigens which are generally used in Elisa Techniques.

Initial recogition as SIRO : July 13, 1983

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income:* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received: | 6.32 | 11.00 | 3.85 |
| Grants Received: | Nil | Nil | Nil |
| Other Income | Nil | Nil | Nil |
| *Expenditure on R&D* | | | |
| • Capital: | Nil | 0.14 | Nil |
| • Recurring: | 6.90 | 8.60 | 4.60 |

**Infrastructural facilities:**

Land & Building : Area : 223 Sq. mt.

Equipment facilities : Gross Value: Rs. 41.84 Lakhs

List of sophisticated equipment :

— High Pressure liquid chromatography system
— Atomic absorption spectrophotometer
— UV & VIS spectrophotometer
— GAs chromatograph
— Research microscope with photography and video attachments
— The appratus for slab gel and disc gel electrophoresis
— Reverse Osmosis concentration system
— Millipore water purification system
— RA-1000 Autoanalyser
— Ultrafiltration system for dialysis and concentration
— Ultracentrifuge



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R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Medical Post Graduates | — | 1 |
| | Doctorates | — | 3 |
| | Post Graduates/ Graduates | 3 | 1 |
| Social Sciences : & others (Non-Technical) | | Nil | 2 |

Library facilities : 1100 Books on Technical subjects and management

14 International & national journals & Periodicals.

**Major achievements claimed:**

- Technologies developed and transferred for upscaling/commercialisation : i) Elisa kits for AIDS.
  ii) Developed indigeneously stable formulation for the estimation of ALT/AST enzymes in serum.
  iii) Developed improved technology for cholestrol estimation in blood.
  iv) HBs AG Purification
  v) Preparation and standardisation of PPD Dry podwer.
  vi) Isolated & purified enzyme Urease.
- New Techniques/methodologies developed & implemented : Purification of ethyl acetate with low cost and good quality
- Research Papers/ Report published : 21 research Papers.
- Seminars/conferences attended/organised : i) Organised a Regional workshop on Immunohistopathology Techniques on 9—11 December, 1994.
  ii) Attended XXXI Annual conference cum work shop. Association of clinical Biochemists of India (ACBI) 23—25 January, 1995. Presented Postal Paper.

**Name and Designation of Senior Researchers :**

- Dr. P. K. Desai, Director
- Dr. H. B. Naik, Jt. Director
- S. R. Joshi, Sr. Scientific Officer
- Dr. B. P. Gothoskar, Sr. Scientific Officer



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# SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY

**Address:**
Trivandrum - 695 001

**Background**

Status of the SIRO : An Institution of National Importance established in 1981 by an Act of Parliament (Act No. 52 of 1980). It is an University by itself for imparting knowledge in advanced medical specialities and conducting research in biomedical engineering & technology leading to development ofmedical devices.

Year of establishment/Major objectives/major research area

Initial recognition as SIRO : 1985

**Income and R & D expenditure :** (Rs. in Lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received : | NIL | NIL | NIL |
| Grants from Govt. of India | 992 | 1083 | 1313 |
| Other income : | | | |
| Patient services | 363.78 | 464.09 | 588.57 |
| Technology transfer & Royalties | 2.8 | 6.64 | 11.42 |
| *Expenditure on R&D :* | | | |
| • Capital : | 93 | 106 | 91 |

**Infrastructural facilities :**

Land & Building : Value : Rs. 867.24 lakhs

Equipment facilities : Gross Value : Rs 2268.22 lakhs

List of sophisticated equipment

— Scanning Electron microscope
— Transmission electron miscroscope
— Platelet aggregometer
— UV-Vis spectrophotometer
— Microtox system
— Ellipsometer
— Instron Universal Testing machine
— HPLC AL 244 with UV detector, RI detector and GPC columns
— Thermal analyser
— Gas Chromatograph,
— Atomic absorption spectophotometer,
— Medical Resonance Imaging Unit,
— Computerised Axial Tomography scan,
— Digital substraction Angiography (DSA) equipment,



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— Computerised stress testing equipment,

R & D Manpower

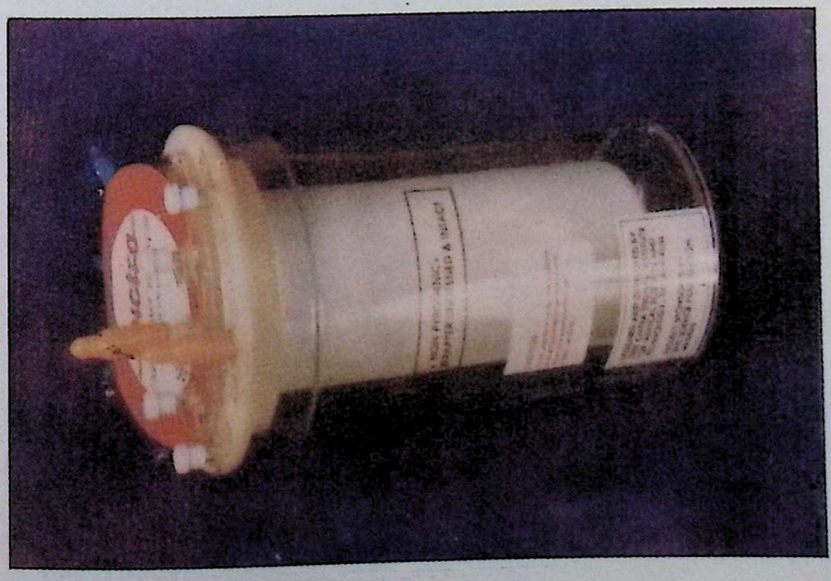
| | Qualification | Full time |
|---|---|---|
| Scientific & technical | Doctoratos | 4 |
| Total | Post graduates | 14 |

Library facilities

Library has a collection of 15595 books and 14279 bound journals in the fields of Health Sciences, Biomedical engineering and Technology and basic sciences. 257 scientific journals are beig subscribed regularly. Library offers online services like MEDLARS and C-D Rom, and reprographic services.

**Major achievements claimed**

- Technologies developed and commercialised:
  - i) Blood storage bags — commercialised by Peninsual Polymers Ltd. & Hindustan Latex Limited, Trivandrum.
  - ii) Oxygenator — South India Drugs & DEvices Limited
  - iii) Cardiotomy Reservoir Bag — Madras
  - iv) Hydrocephalus Shunt — Hindustan Latex Limited, Trivandrum
  - v) Prosthetic Heart Valve — [illegible] Pharma Limited, Madras
- Technologies developed and ready for Clinical trials and for scaling up.
  - i) Concetric needle electrodes
  - ii) Dental composite material
  - iii) Ophthalmic sponges
  - iv) Hydrogel microspheres
  - v) Humidifiers for use in respiratory care
  - vi) Vascular Graft



Cardio Tomy Reservoir Bag



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- New techniques/methodologies developed and implemented:
  i) Laser delivery systems for medical applications
  ii) Sugical treatment for epilepsy
  iii) Embolotheraphy for vascular abnormalities and highly vascular tumours
  iv) Minimally invasive therapeutic techniques for heart valve and blood vessel obstructions
- Patents filed : 18, including 2 Overseas
- Rsearch papers : 240 publications in the fields of medical sciences, biomedical technology and biomedical engineering (List not being included due to space constraints)
- Seminars organised : Indo-UK Symposium on "Medical technologies—Research and Development to technology transfer"
- Awards won : Only awards for inventions in the last 3 years included — 8 scientists, doctors and engineers.

**Names of five Senior Researchers:**

- Dr. R. Sivakumar, Head, BMT Wing
- Dr. G.S. Bhuvaneshwar, Scientist
- Dr. A. Jayakrishnan, Scientist
- Dr. R. Renuka Nair, Scientist
- Dr. Prabha D. Nair, Scientist

Chitra Prosthetic Heart Valve



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# SRI AUROBINDO ASHRAM TRUST

**Address:**
Sri Aurobindo Ashram Trust,
Pondicherry - 605 002

## Background

| | | |
|---|---|---|
| Static of the SIRO | : | A public charitable Trust |
| Year of establishment | : | 1926 |
| Major objectives | : | Develop as a centre of practice for evolution of a form of life which would, in the end, be moved by a high spiritual consciousness and embody a greater life of the Spirit. |
| Major research areas | : | Conduct action Research on the Development of Body, Consciousness an their Interaction for Integrative Growth in the Framework of Life. In practical terms the main areas of research are: Integral Psychology, Non-conventional & Renewable Energy, Computer Hardware & Software, Organic farming, animal husbandry, Food processing, Wasteland Regeneration, Rural Development, Body research, Educational methods and Archival research. |
| Initial recognition by DSIR | : | April, 1988 |

**Income and R & D expenditure** :

(Rs. in lakhs)

| | 1992-93 | 1993-94 |
|---|---|---|
| *Income :* | 239.32 | 277.02 |
| Grants Received: (by SAICE) | 19.48 | 23.00 |
| Other Income : | 268.60 | 347.26 |
| *Expenditure on R&D :* | 248.00 | 284.54 |
| ⊛ Capital: | 21.67 | 35.27 |
| ⊛ Recurring: | 226.33 | 249.27 |

**Infrastructural facilities:**

Land & Building : Value : Rs. 73.34 lakhs (as on 31-3-94)
Equipment facilities : Gross value : Rs. 50.35 lakhs

List of sophisticated equipment :

Being involved, action research, much specific sophisticated equipment not required. However, good number of computers, xerox machines, a couple of scanners and laser printers and day-to-day laboratory equipment in natural, applied and agricultural sciences are available.

R & D Manpower:

| | |
|---|---|
| Scientific & Technical | 56 |
| Social Sciences and others | 29 |



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All are full time. Some the researchers are highly qualified, but many, though lacking in University degrees, are born with a scientific bent of mind and are doing excellent work.

Library Facilities :

A large, well-stocked Central Library. In addition each department has its own library containing books of its special interest.

**Major achievements clamied:**

Technologies/New Techniques/Methodologies Developed and Implemented:

i) Research on Ageing indicators based on data of tests carried out over 50 years.

ii) Research in Integral Psychology based on the works of Sri Aurobindo and the Mother.

iii) Development and Testing of Solar, Biogas and Wind Energy Systems and field testing of solar cell modules and pumping systems.

iv) New Aids and Methods of teaching of applied sciences through design format.

v) Development of Computer Hardware and Software for specific requirements, including Neural Networks research.

vi) Natural Integrated Farming Methods avoiding the use of chemical fertilizers, and combining plant, animal and energy systems in a symbiotic relationship.

vii) Development of Simple Appropriate Technology for Rural Development in Himalayan regions in Kumaon and Ladakh with emphasis on water supply by tapping subsurface sources, rain-water harvesting, and poly-houses for house-heating and growing seedlings.

viii) Soil-erosion Control and Reclamation of badly eroded wasteland by afforestation. gully-plugging etc. in semilateritic soils.

Commercialisation of the results of the work done is not intended, being a spiritual centre.

- Research Papers/Reports published : 1 book and 30 Research papers.
- Seminars/Conferences Attended/ Organised : 13
- Awards Won : One of the scientists was selected for the "K.S. Rao Memorial National Award" for 1994 by the scientific jury of the Solar Energy Society of India, for his contribution to the development of solar energy in India.
- Any other
  i) Solar Energy Scientist represented India at the UNESCAP meeting on "Biomass" held in Beijing in May 1993.



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ii) Rural Development Specialist and Organic Agriculture specialist are also on various panels of State and Central Governments.

**Name and Designation of five Senior Researchers:**

- Dr. A.S. Dalal, Clinical Psychologist
- Dr. C.L. Gupta, Alternative Energy Scientist.
- Mr. Manidra Pal, Specialist in Sustainable Agriculture.
- Dr. D.G.T. Rees, Hydrogeologist.
- Mr. Sraddhalu Ranade, Computer Scientist & AI Researcher.



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# SRI JAYADEVA INSTITUTE OF CARDIOLOGY

**Address:**
VICTORIA HOSPITAL COMPLEX,
Bangalore - 560 002

**Background**

Status of SIRO : Registered Society

Year of establishment : 1984

Major objectives

(i) To provide a comprehensive health care for al the patients suffering from various heart diseases

(ii) To provide emergency coronary care with advanced life supports from the door steps of the patients

(iii) To provide cardiac surgery to most needy & poor patients

(iv) To evolve new methadologies in the diagnosis of heart diseases

(v) To develop and establish tissue bank of heart valves and conduits

(vi) To carry out epidemiological survey of RHD, CHD and CAD

(vii) To carry out Nosocomial infection survey and to implement necessary safe and infection control practice in the Institute.

(viii) To train the doctors from all over India in the field of Cardiology cardiac surgery, cardiac radiology and cardiac anaesthesiology

(ix) To train paramedical staff in the field of Interventional Cardiology, Perfusion technology, Non-invasive Cardiology and Intensive Care Units.

(x) To carry out drug trial studies in Hypertension, Cardiomyopathies, Hyperlipedemia and Ischaemic Heart diseases

Major research areas :
(i) Cardiology Cardiothoracic Surgery,
(ii) Anaesthesiology,
(iii) Radiology,
(iv) Biochemistry,
(v) Pathology & Microbiology.

Initial recognition as SIRO : April, 1987

**Income and R & D expenditure**

(Rs. in Lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 1.93 | 0.36 | Audit is |
| Grants Received | 961.25 | 314.35 | under |
| Other Income | 261.29 | 518.72 | process |
| *Expenditure on R&D* | | | |
| • Capital | 26.72 | — | |
| • Recurring: | 18.89 | 20.55 | |

**Infrastructural facilities**

Land and Building : Area: 6000 Sq. Mtrs.; Value: Rs. 300.00 lakhs

Equipment facilities : Gross Value: Rs. 496.00 lakhs



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List of sophisticated equipments

The R&D Laboratory of the Institute is well equipped with sophisticated equipments such as ECG machines, M-Mode Echo system, Electros porosis System, Pulse oximeter-Sarns Hypothermia unit, Cardiac Defrillator Unit, Micro Cardio Vascular Instruments, Lifescopes, X-ray units, Crashcot, Auto analyser and a host of other sophisticated facilities.

R & D Manpower : 178 (Full time)

**Major achievments claimed:**

- New Techniques practiced : Cardiology (Invasive)
  - (1) Percutaneous Transluminal Coronary Angioplasty (PTCA)
  - (2) Balloon Mitral Valvuloplasty
  - (3) Other Valvuloplasties
  - (4) Atherectomy, Stents
  - (5) Rotablator
- Non-Invasive
  - (1) Colour Doppler Echocardiography
  - (2) Transesophageal Echocardiography
  - (3) Holter Monitoring
  - (4) Computerised Treadmill Test
- Cardiothoracic Surgery
  - (1) Valve replcement
  - (2) Coronary Revascularisation using only Arterial Conduits
  - (3) Coronary Osteoplasty for Coronary Osteal Lesions by modification of Suthran's Technique
  - — Blood Component therapy
  - — Immunohistochemistry
- Research papers/Reports published : Research papers presented at various conferences: 189
  Publications : 19
- Seminars/CME/Public Lectures/Symposiums/workshops organised:
  —CME : Topics:
  - (i) X-ray in Medicine
  - (ii) Yoga in Medicine
  - (iii) Update in Cardiology & Cardiac Surgery
  - (iv) Retinal Examination in Medicine
  - (v) L-Carnitine
  - (vi) Leproscopic Surgery
  - (vii) Sexual Medicine & Medical Ethics in Clinical Practice
  - (viii) Breast Cancer
  - (ix) IMA Role in Consumer Protection Act
  - (x) Hepatitis and Immunisation current perceptives
  - (xi) Behaviour therapy and biological feedback in IHD



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(xii) Risk factors in Coronary Artery Disease

— Symposium — Cardiac arrest and Cardiopulmonary resusciation

— Oration Lecture — Cyanotic Congenital Heart diseases

—Annual Seminars of Public Lectures — Toipcs:

(i) Oral hygeine for healthy life
(ii) What is Coronary Artery Bypass Surgery
(iii) Bone fractures and management
(iv) What is heart attack?
(v) What is heart attack and how to prevent it?
(vi) what you should know about blood pressure?
(vii) Heart Valve surgery for whom? how good? How bad?
(viii) Radiology for Post Graduates
(ix) Annual Seminar of IMAAMS, Bangalore Chapter.

—Symposium : Topics:
(i) Never look on lipids. Computer application in Medicine
(ii) 30.04.95 — Update on Calcium Channel blockers
(iii) 21.05.95 — Symposium on ECG

—Guest Lectures : Topics:
(i) Computed Education through distant mode
(ii) Mediological aspects in consultants practice
(iii) Management of hypertension and the role of ACE inhibitors
(iv) Role of Nuclear medicine in Cardiology

—Public Lectures : Topics:
(i) Blood donation
(ii) What you should know about your tooth?
(iii) What is heart attack?



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—Conferences : Topics:
(i) Ist National Conference of Indian College of Cardiology at Bangalore
(ii) 41st Annual CVTS conference, Bangalore, 1995

—Workshop : Topics:
(i) PTMC workshop
(ii) Workshop in Atherectomy
(iii) PTCA workshop on Rotablator and Atherectomy
(iv) PTCA workshop on atherectomy and Rotablator

- Seminors/workshops/CMS Attended : 25
- Participation in Seminars/ Guest Lectures delivered : 40
- Awards won :
  (i) Fellow of Indian Academy of Medical Specialities-1993
  (ii) Fellow of Indian College of Cardiology 1994
  (iii) Best Citizen Award-Bangalore City Corporation-1995
  (iv) D.P. Basu and Searle award at 46th Annual Conference of the Cardiological Society of India-December, 1994
  (v) Best chapter award as Chairman IMAAMS, Bangalore Chapter
  (vi) Best Chapter award as Chairman, IMAAMS, Bangalore Chapter
  (vii) Chairman's appreciation awards from head quarter's Chairman during the year 1993 and 1994
  (viii) Mr. P.M. Nayak CSI Memorial Oration Award—State level API and CSI Conference 1994
  (ix) Best paper in the superspeciality section in Annual State ASI Conference, Gokak 1993
  (x) Best paper in the superspeciality section in Annual State ASI Conference, Mysore—1994
- Any other :
  (i) Participation in All India Radio Programme— Family Welfare Programme on 29.4.95
  (ii) T.V. Programme
  Topic: Mother, Child & Heart
  (iii) Training Undergone
    (1) Trainging in Medical Electronic Equipments and their maintenance at LRDE, Bangalore for three weeks
    (2) Training in Intensive Coronary Care at BPL India, Bangalore
    (3) Training in Maintenance and operation of Cardiac equipment at ATIBPI, Hyderabad
    (4) Training in Echocardiography at the Institute of Cardiology, Madras

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**Name and Designation of Senior Researchers**

- Dr. N. Chikkalinge Gowda, Director
- Dr. A.S. Chandrasekhara Rao, Prof. of Cardiology
- Dr. S.V. Narayanaswamy, Prof. of Cardiology
- Dr. S.T. Yavagal, Prof. of Cardiology
- Dr. B. Kumar, Prof. of Cardiology
- Dr. C.N. Manjunath, Asst. Prof. of Cardiology
- Dr. N. Prabhu Dev, Prof. & HOD of Cardiothoracic
- Dr. V.S. Jawali, Prof. of C.T. Surgery
- Dr. K. Purnesh, Asst. Professor of C.T. Surgery
- Dr. Suresh Kalyanarao Ghaste, Prof. of HOD of Anaesthesiology
- Dr. V. Govindaraju, Prof. of Biochemistry
- Dr. T.S. Bhoopal, Assistant Professor of Radiology
- Dr. J. Mitravinda, Assistant Professor of Pathology



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# THAKUR HARI PRASAD INSTITUTE OF RESEARCH AND REHABILITATION FOR THE MENTALLY HANDICAPPED

**Address:**
Vivekanand Nagar,
Dilsukh Nagar,
Hyderabad - 500 060 (A.P.)

## Background

Status of the SIRO : Thakur Hari Prasad Institute of Research and Rehabilitation for the Mentally Handicapped was established in the year 1968. This was started by Shri Thakur V. Hari Prasad, a well known child development activist and Social Scientist and he is the father of a mentally handicapped child aged 31 years. The Organisation from inception went in for full time professionals in the field of Clinical Psychology, Neuro-Paediatrics, Speech Pathology, Occupational Therapy, Physic-Therapy, Psychiatry, Medico Social Work, Special Education, Music and Yoga etc.

Year of establishment : 1977

Major objectives :

i) To rehabilitate persons with mental handicap through appropriate training directed towards enabling them to lead as independent a life as possible.

ii) To provide early identification, intervention and integration services for yount children so that optimum benefits of utilisation of capabilities and opportunities for development accrue to those children with mental handicap.

iii) To work for the prevention of mental handicap through parental education, public education and proper mother and child care.

iv) To promote the ability in persons with mental handicap through income generating or remuneratory activity and employment.

v) To undertake pilot projects that help in the development of suitable service delivery models for the rehabilitation of persons with mental handicap keeping in view the Indian background, especially in the rural areas.

vi) To develop need-based training programmes that prepare different disciplines for para-professionals in rehabilitation of persons with mental handicap in order to create a good human resources development base in the area of mental retardation.



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vii) To work for the protection of persons with mental handicap through all possible and necessary measures including legislation.

viii) To work towards the acquisition of equal rights and equal opportunities for persons with mental handicap in all areas of human development.

ix) To provide training and consultancy services.

x) To carryout action research in rehabilitation field.

Major research areas : i) Early Detection, Intervention and Integration of Disabled Children.

ii) Vocational Training and sub placements of Adult Persons with Mental Retardation in Urban & Rural Areas.

iii) Impact of various therapeutic interventions such as Behaviour modification, Occupational Therapy, Physio-therapy, Hydrotherapy and so on.

iv) Parceptions and attitudes of target groups.

v) In-built Evaluation of all programmes and projects.

vi) Development of service Models in Urban and Rural Area for different target group aimed at optimum development of the abilities of people with Mental Retardation.

Initial recognition : December 1991 to 1993 & subsequent revenue from April, 1993 to March, 1995 & April, 1995 to March, 1998.

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | 3.04 | 2.99 | 2.93 |
| Grants received | — | — | — |
| Other income | — | — | — |
| *Expenditure on R & D* | | | |
| • Capital | — | — | — |
| • Recurring | 3.04 | 2.99 | 2.93 |

**Infrastructural facilities**

The Centre is well equipped with instruments such as Olympus Camera, Double wheel Borrow, Imported Pentacare Camera, Tooder Swing, Microphones Gaeopping House, Magic Carpet, Revolging Platform Glip Chart and a host of other facilities.



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R & D Manpower

| | Qualification | No. |
|---|---|---|
| Scientific & Technical | Doctorates/ | 1 |
| | Post Graduates | 58 |
| Social Sciences & Others | Graduates/ | 42 |
| | Diploma Holders | 13 |
| | Other(SSC./Inter) | 116 |

Library facilities : Around 720 Relevant books and Around 20 Professional Journals

**Major achievements claimed :**

- Achievements :

i) Institute is the reciplient of National Award from the President of India in recognition of its outstanding performance in the field of Handicapped Welfare. THPI is a premier professionally managed progressive voluntary organisation executing massive and specialised Research and Rehabilitation for the Mentally Handicapped commanding the distinctive reputation in the country. Its multi-dimensional pursuits of Research and Rehabilitation, early detection and intervention, Camp Therapy, Neuro-Paediatrics etc. are well known. The Foster Care Mother concept introduced for the first time has received wide appreciation all over the country. THPI is poised for major expansion through its rural project with action focus on developmental rehabilitation involving upgradation of technology with its human resources as its important and valuable asset. THPI is a symbol of Voluntary Social Action to supplement and compliment the efforts of the Government in the service of Mentally Handicapped.

ii) Many Universities from all over the country look upon this Institution as a resource centre for placement and research faculty development. The Organisation founder took various initiatives in coordination with the committed team members of the Organisation by conducting an All India Seminar to promote a National Policy for the Welfare of the Mentally Handicapped. The Report was submitted and the same is resulting in an enactment of Legislation for the disabled with special chapter for creating National Trust for the Welfare of the mentally handicapped shortly.

iii) The Institute practices several methodologies of research with its deeper commitment to find out low cost solutions in the process of rehabilitation for the mentally handicapped. The Rural Camp Approach, Social Integration by identifying the existing infrastructure, Creche Units which covers 0-$2^{1/2}$ years age group and Balwadis which covers $2^{1/2}$-6 years age group. This model is being practised by the Thakur Hari Prasad Institute in 215 Creches and 174 Balwadis in the rural villages of Andhra Pradesh. The Planning Commission has accepted rural camp approach and have allocated Rs. 1.5 crores for its model replication. Besides this, training of the Balasevikas and Anganwadi workers with additional inputs of early childhood disability education and rehabilitation process has taken good leap and the same is being implemented by the National Institute.

iv) The Institute coordinates at grass root level cadre with an emphasis on semitising programmes which would generate case study for training and workshop for planning and implementation. It provides data and other resources and also functions as a referral centre. The Institute carries severa methods of campaign to improve



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perception and awareness. The Institute has explored house hold chores divided into house hold production and mentally retarded care cleaning and cooking to make them engaged in house hold industry and enable them to see it as a gainful activity. The Institute has launched a rural project at Rajahmundry which is a linkage with tribal areas. Potted plant project has been taken up for adult mentally handicapped group to gain work experience in Horticulture and selling the produce to the public.

v) The Institute believes in mass application of knowledge as a basic prerequisite to act. Time has come to underline the need for a greater participation of parents and voluntary organisations in providing social infrastructure for a basic equitable development.

vi) Institute has also promoted National Forum for Welfare of the Mentally Handicapped which has now attained a stature having acquired affiliation of International League of Societies for Mentally Handicapped to act as a nodel agency in the national level.

vii) The in-house training and development programme conducted by compact trainees drawn from within the organisation are best suited for bringing about the desired attitudinal change among team members. The institute has attracted many requests from all over the country and abroad for franchise of Thakur Hari Prasad Institute, to be started in their respective States.

viii) The Institute has been providing various rehabilitative services to over 5000 mentally handicapped clients drawn from all over the country and few from abroad.

ix) The Surya Jyothi Project which practices Neuro-Paediatrics and developmental rehabilitation concept is indeed an innovative in entire Asia. The best training programmes are Neuro-Paediatrics, development therapy, Vojta Therapy and medical pedagogy is indeed in advanced technology coupled with science, finding positive answers in the rehabilitation process.

x) The Institute publishers a bi-monthly called "SANKALP" house publication sharing News and views on Mental Retardation and it is circulated all over the country to its members and affiliate members in 105 countries globally.

- Research papers/Reports Published :
  - i) Papers presented at world congress : 15
  - ii) Reports published : 7
- Seminars/Conferences attended/organised :

  Organised
  - i) XI World Congress of the ILSMH (on Mental Retardation) at Vigyan Bhavan, New Delhi from 20-27th November, 1994.
  - ii) Partnership between NGOs working for Welfare of the Disabled persons and the Ministry of Welfare a Social Audit.
  - iii) RCI National Workshop on "Linkages with UGC to bring uniformity in the syllabi of Rehabilitation courses.
- Awards won :
  - i) Recipient of National Award from the President of India for oustanding performance in the field of Handicapped Welfare (Individual).
  - ii) Recipient of National Unity Award.



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iii) Nehru Fellow Awardee.

iv) Recipient of Gold Medal as the best Social Leader in the field of Mentally Handicapped.

v) Received Several Gold Medals from Indian Red Cross Society for outstanding contribution in the service of less fortunate.

vi) Recipient of National Award from the President of India for outstanding performance of THPI in the field of Handicapped Welfare.

vii) Recipient of Hong Kong Foundation International Award for outstanding performance in the field of Disability (Individual).

viii) Reveived plaque from Third World Foundation USA in recognition of oustanding leadership and contribution for the Welfare of the Mentally Handicapped in the World.

ix) Received plaque from President's Committee on Mental Retardation, USA in recognition of outstanding contribution and leadership Role in Rehabilitation and Welfare of citizens with Mental Retardation in India and Abroad.

x) Recipient of Mehdi Nawaz Jung Award for Best Welfare Worker in the Country.

- Institutional THPI :

i) Recipient of National Award from the President of India for outstanding performance in the field of Handicapped Welfare.

ii) Recipient of International Award from RCI — Hong Kong Foundation International in recognition of its outstanding performance in the field of Handicapped Welfare.

**Name and Designation of five Senior Researchers**

- Prof. T. Revathy, Director General
- Dr. (Ms.) Suma Narayan, Director, Research & Programming
- Ms. Neeradha C., Head of the Dept. & Associate Prof. in Clinical Psychology
- Dr. Jagdish Hiremath, Associate Professor in Clinical Psychology
- Ms. Anuradha Jagannadhan, Deputy Director, (Training, Vocational, Press Relations)



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# THE BANDRA HOLY FAMILY MEDICAL RESEARCH SOCIETY

**Address:**
C/o Holy Family Hospital
St. Andrew's road
Bandra (West), Bombay - 400 050

**Background**

Status of the SIRO : Registered Charitable Public Trust

Date of initial recognition : 1981

Major objectives

(i) To undertake Scientific Research in the area of community health, family planning, clinical and applied research as well as basic research.

(ii) To establish, operate, promote, run, maintain, manage facilities or institutions engaged in the advancement of research pertaining to the areas mentioned above as well as to co-oprate with other institutions of a similar nature.

(iii) To promote, develop and improve scientific exchange of knowledge as well as technical co-operation between similar research institutions.

(iv) To conduct conferences, refresher courses, lectures, seminars, demonstrations and exhibitions relating to research done and results obtained with reference to the above objectives.

**Income and R & D expenditure :** (Rs. in Lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received : | 0.47 | 0.05 | 5.11 |
| Grants Received : | NIL | NIL | NIL |
| Other income : | 1.17 | 1.12 | 1.49 |
| *Expenditure on R&D :* | | | |
| • Capital : | NIL | NIL | 0.22 |
| • Recurring : | 2.06 | 1.48 | 1.34 |

**Infrastructural facilities :**

Land & Building : (Leased) : 1084 Sq. ft.

Equipment facilities : Gross Value : Rs 4 lakhs

List of sophisticated equipment

—Binocular Microscope with Photo Micrographic facility
—Spectronic 20
—Flame Photometer
—Auto Analyser
—Computer

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & technical | M.S., F.A.M.S. | 1 | — |
| Social Sciences and Others | M.S.W. | 1 | 2 |

Library facilities

Fair range both in terms of books (text and reference) and annual subscription to medical journals, both national and international. Space available for reading and study with capability for xeroxing.

**Major achievements claimed**

i) Pilot studies on hospital based and nosocominal infection for rational and carefully evaluated antibiotic therapy.

ii) Pilot studies of mortality and morbidity patterns comparing open and endoscopic surgery.



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iii) Prototypes for design for — (a) anti-bedsore facility and
(b) for hand surgery, under development.

iv) Senior Consultant in Neurology has published a valuable monograph with detailed reference material on "Determination of Death".

v) Staff Research/Consultants have published several papers and reports in reputed journals.

vi) A Consultant E.N.T. Surgeon, who contributes to papers indicated above was awarded the Aeolus International Silver Medal for 'consistent high level quality papers published in "ORBIT".

**Names of five Senior Researchers:**

- Dr. Eustace J. de Souza — M.S., F.A.M.S. Director (Research)
- Dr. A.G. Desai — M.D. (Paed.) Senior Const. Paediatrician
- Dr. Kiran Coelho — D.G.O., M.D. (Ob., & Gyn.) Hon. Const. Obstetrician and Gynaecologist.
- Dr. D.R.F. Pinto — D.P.H., PVSM, AVSM Medical Director
- Dr. Ian d'Souza — M.S. Hon. Surgeon (Oncologist)

Computer Facility



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# THE EYE RESEARCH FOUNDATION

**Address:**
Vijaya Hospital,
180, N.S.K. Salai, Vadapalani,
Madras-600 026.

**Background**

Year of establishment : 1986

Major objectives/ : Opthalmology Research

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 29.50 | 54.77 | 95.71 |
| Grants Received | — | — | — |
| Other income | — | — | — |
| *Expenditure on R&D* | | | |
| • Capital | 17.00 | 144.22 | 38.46 |
| • Recurring (Salaries, Rent Consumables and Overheads etc.) | 22.00 | 24.26 | 50.26 |

**Infrastructural facilities:**

Land & Building : Rented

Equipment facilities : Rs. 300.61 lakhs

List of sophisticated equipment :

— Ultima Laser Photocoagulator
— Argon Dye Laser
— Excimer Laser
— M690 Sterozoom Microscopes
— Coherent Yag Laser
— Opticon Vitrectomy Machine

R&D Manpower:

| | Full time | Part time |
|---|---|---|
| Scientific & Technical | 2 | 2 |
| Social Science & Others | 16 | — |

Library facilities : 10 years Ophthalmic publications in 150 Journals in CD-ROM available

**Major achievements claimed:**

- Technologies developed and ready for upscaling

Multizone PRK use of Excimer intreating High Myopia.

- Research papers/Reports Published
  i) Lasers in Opthalmology.
  ii) Wavelength dependent Photocoagulation.
- Seminars/Conferences attended/organised
  i) National society of Instrumentation Conference.
  ii) Physics society Laser conference.



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iii) UAE conference of Ophthalmology.

iv) Delhi Ophthalmic society Laser Conference.

**Names of five Senior Researchers:**

- Dr. Babu Rajendran—M.S., F.A.C.S.
- Dr. P. Janakiraman—M.S., D.O., M.S.
- Dr. Devi. S. Nath—M.S., D.O.
- Dr. Vasanthi Subramaniam—M.S.
- Dr. Lily Joseph—D.O.



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# THE FOUNDATION FOR MEDICAL RESEARCH

**Address:**
84A, R.G. Thadani Marg
Worli, Bombay - 400 018

**Background**

Status of the SIRO : Public Charitable Trust

Year of establishment : 1975

Major research areas : i) Mycobacterial diseases : Lerposy & tuberculosis
ii) Diarrhoeal diseases
iii) Reproductive Tract Infections in Women

Initial recognition : 1988

Details of last notification u/s 35(1) (ii)/(iii) of Income Tax Act, 1961 : Recognition effective till 31/3/98

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | 0.33 | 31.2 | 30.21 |
| Grants received | 28.50 | 14.39 | 5.83 |
| Other income | 1.05 | 1.21 | 1.42 |
| *Expenditure on R & D* | | | |
| • Capital | — | 3.64 | — |
| • Recurring | 48.54 | 49.56 | 41.87 |

**Infrastructural facilities**

Area : a) Land : 1365 sq.m
b) Building : 1574 sq.m

List of sophisticated equipment :
— Scanning & Transmission Electron Microscopes with accessories.
— HPLC
— Ultracentrifuge
— Gamma & Beta isotope counters
— Fluorescene & Polarizing Microscopes
— Tissue Culture Facilities
— ELISA reader
— Computers
— Double Beam Record Spectrophotometer
— Edwards Lyophillizer

R & D Manpower

| Qualification | Full time | Part time |
|---|---|---|
| Scientific & Technical | 19 | 2 |
| Social Sciences & Others | 25 | — |

Library facilities : 26 Subscribed journals
6217 Reprints
1144 books



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**Major achievements claimed**

i) In the field of Leprosy :

a) Functional implications of immunological sensitization by Schwann cells has been established.

b) The experimental mouse model can now reflect both tuberculoid and lepromatous spectrum of disease.

c) The drug resistance profile of persistor M. leprae in peripheral nerves has been established.

d) The relative unimportance of antigenic specificities for precipitation of lepra reactions is emerging.

e) The Schwann cell is refractory towards secretion of mycobacterial secretary antigens.

f) Multidrug therapy successfully reached the peripheral nerves and halted the diseses process. However persistend damage continued to occur (granuloma formation) due to the continued presence of bacterial antigens.

g) Initiation of degeneration in the nerve appears to be more a function of M. leprae infected SChwann cells rather than modulation by infiltrating macrophages. However macrophage dependent regenerative functions are compromised once the cells are infected with M.leprae.

ii) In the field of Tuberculosis:

a) Secretion of 30 Kd complex was unambiguously demonstrated in intracellular bacilli within macrophages in tissue culture.

b) The degradation of secretory antigens in vivo was highlighted.

c) Novel low molecular weight secretory antigens were indicated.

d) Budmeyer's technique for the rapid assessment of drug resistance in pulmonary tuberculosis patients was established.

In the field of diarrhoeal diseases:

a) The utilization of Ayurvedic health care for diarrhoeal diseases was assessed.

b) Consistent contamination of rural water sources with faceal organisms and enteric pathogens was noted.

c) disinfection of drinking water through heat from a domestic chulha (stove) could be achieved during cooking chores though some related basic problems were also identified.

- Research papers/reports Published : 17
- Seminars/Conferences attended : 35 papers presented at national and International conferences
- Awards won : (i) Jalma Trust Award 1992
  (ii) Maj. Gen. Saheb Singh Sokhey Award — 1992
  (iii) G. D. Birla International Award for Humanism 1994.

**Name and Designation of Senior Researchers**

- Dr. N. H. Antia, Director & Trustee
- Dr. P. R. Mahadevan (till Nov. 1993), Director, Experimental Biology & Therapy
- Dr. V. P. Shetty, Senior Research Officer
- Dr. N. F. Mistry, Senior Research Officer
- Dr. T. J. Birdi, Senior Research Officer
- Dr. Urmil Sharma, Consultant Oncologist



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# THE GUJARAT CANCER SOCIETY

**Address:**
The Gujarat Cancer Society,
NCH Compound, Asarwa,
Ahmedabad - 380 016

**Background**

Status of the SIRO : Charitable Trust

Year of establishment : 1960

Major objectives :

(i) To provide an organisation for the benefit and service of the Cancer Patients and other interested in Cancer, to promote in the study of the cause and treatment thereof and the diffusion of information concerning cancer.

(ii) To act as an advisory body for interests of the cancer patients.

(iii) To promote lectures, discussions and correspondence for information on cancer and on associated diseases and to co-operate with any similr organisations for furtherance of the objects of the Association.

(iv) The Gujarat Cancer Society will receive the donations from the public and will utilize the donations for the basic research activities and other activities related to the disease of cancer by way of purchasing equipments and constructing buildings. Cancer Society will also conduct research activities regarding the incidence of cancer caused by various habits like chewing of tobacco, pan, smoking etc. and tobacco related incidence of cancer in the oral cavity, oesophagus, stomach etc. Cancer Society will also undertake the cancer detection camps in the various parts of Gujarat and will hold the exhibition, lectures etc. to propagate the idea of primary prevention and secondary prevention by early detection of cancer especially for examination of cervix, breast and oral cavity.

(v) To print, publish, circulate any journal, books, pamphlets etc. that the Association may think desirable for the promotion of its objects.

(vi) To promote plans for early detection of cancer growth.

(vii) To provide, assist, endow, furnish or manage directly or by arrangement with any person, corporation or institution, the following as stated in sub clause 1 to 4 :

1. Medical, Surgical or convalescent homes.
2. Laboratories, research institutions and clinics, schools and educational facilities and summer camps.
3. Scholarships for people interested in the study of cancer.
4. Education and training for students and nurses in special courses and generally such other projects as may be for the benefit of the cancer patients on such terms and conditions as the Association may prescribe.

(viii) To offer prizes, awards, merit certificates and or rewards for distinguished service for research in the cancer field.

(ix) To promote devise ways and means and to do every thing necessary for fighting cancer.

(x) To co-operate with Municipal, State or Union Department of health and public health.

(xi) To do all such other things as are incidental or condusive to the attainment of the above objects.Major Research Areas :





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Major research areas : Cancer Diagnostic and treatment Applicator of Diagnostic Markers, and assay significant work done in exploring possibility of using Prolactin as Marke.

Initial recognition by DSIR : 1988

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donation received | 257.30 | 99.50 | 124.00 |
| Grants received | Nil | Nil | DSIR 1.50 |
| | | | DST 8.04 |
| Other Income | 4.05 | 31.90 | 1.21 |
| *Expenditure on R&D* | 286.50 | 215.70 | 133.20 |
| • Capital | 280.35 | 209.95 | 116.70 |
| • Recurring | 6.20 | 5.75 | 16.50 |

**Infrastructural facilities**

Land and Building : Area : Using land and Building of the Gujarat Cancer & Research Institute.

List of sophisticated equipment :
- — Chemical Steri Pume Head "YORCO".
- — Clinical Centrifuge
- — Research Binocular Microscope
- — Boyle Appartus
- — Preiusim Rotary Microtorne
- — UV-Visible Digital Spectrophotometer
- — Auto Ice Flake Machine

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| | Post Graduates | 6 | 1 |
| | Graduates | 3 | — |
| Social Services & Others | Post Graduates | 4 | — |
| | Graduates | 14 | — |
| | others | 1 | — |

Library facilities : Available for Post-graduate and Super Speciality Students for Cancer as well as Research Worker and Ph.D. Students.

**Major achievements claimed :**

- Research papers/Reports published

  (i) Bio-chemistry Division (Deptt. of Cancer Biology) : 3 (1993), 4 (1994), 4 (1995).



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(ii) Cell Biology Division (Deptt. of Cancer Biology) : 6 (1993), 3 (1994), 5 (1995).

(iii) Other Publications : 19

- Seminars/Conferances attended/organised :

(i) Organised **18th Annual Conference of Indian Association of Pathologists and Microbiologists-Gujarat Chapter** on Sunday, the 10th October,1993.

(ii) Organised **Annual Conference of Association of Medical Physicists of India (AMPI) from 9th to 11th November, 1994.**

(iii) Organised **Indo-British Workshop on Head and Neck Cancer** from 23rd to 26th February 1995.

(iv) Organised **3rd Annual Conference of Association of Gynaec Oncology of India** from 24th to 25th February 1995.

**Names of Senior Researchers**

- Dr. D.D. Patel
- Dr. D.B. Balar
- Dr. J.M. Bhatavadekar
- Dr. P.S. Patel



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# THE GUJARAT RESEARCH AND MEDICAL INSTITUTE

**Address:**
Camp Road, Shahibaug,
Ahmedabad 380 004

**Background**

Status of the SIRO : The Gujarat Research & Medical Institute, Ahmedabad is a Charitahble Institute registered under the Bombay Public Trust Act 1950.

Major objectives : Provide modern tertiary health care to the needy patients and to carry out original scientific research in the fields of the common and uncommon ailments prevalent in Gujarat and Rajasthan.

Major research areas : This Institute is carrying out research programmes in various disciplines of Medicine.

Urology :

(i) Study of serum Inhibin as a marker of Prostate Hyperplasia.

(ii) Study of serum Inhibin levels in patients of Ca-Prostate after hyperthermia.

(iii) Hyperthermia for the case of Benign Prostate Hypertrophy and Cancer of Prostate.

(iv) Development of Indigenous Lithotripter for Lithotripsy.

Hematology : Research Project on Thelassemia

C.T. Surgery : Evaluation of Macchi oxygenator

Audiology : Prevalance of hearing defects in school age children in Gastro Enterology & Prevelence of Hepatitis in carrier State in Pregnant women.

Initial recognition : 1991

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 198.80 | 119.81 | 114.24 |
| Grants Received | Nil | Nil | Nil |
| Other Income | 222.18 | 358.71 | 548.16 |
| *Expenditure on R & D* | 19.57 | 7.30 | 12.98 |
| • Capital | 149.96 | 349.45 | 64.49 |
| • Recurring | 4.63 | 4.83 | 4.41 |

**Infrastructural facilities**

Land & Building : Value : Rs. 157.70 Lakhs
Equipment facilities : Gross Value : Rs. 603.88 Lakhs

List of sophisticated equipment :

The Centre is well equipped with sophisticated equipments such as E.C.G. Monitors, C.T. Scan, Automatic Multiformat Video, Dialysis control unit, operating microscope and a host of other facilities.



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R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 10 | — |
| | Graduates | 3 | — |
| | Others | 1 | — |

Library facilities : Available

**Major achievements claimed**

- Technologies developed and ready for upscaling.

  Lithotripsy for fragmentation of Urinary stones. Developed electrode and generator which has brought down the cost of treatment to just 20% from the orginal cost. After treating over 2000 patients of Kidney Stone, ultimately developed our own Lithotripter. They have carried extensive trials on these newely developed Lithrotripter and have found that it works very well and no complications are encountered.

- New Techniques/methodologies developed and implemented :

  Treatment of Prostate enlargement by Hyperthermia. Devised own technique to raise the temperature and have changed the Protocol which has given excellent result.



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# THE KASTURBA HEALTH SOCIETY

Address:
P.C. Sevagram-442 102
Wardha Maharashtra

## Background

Status of the SIRO : Registered Society

Society registered under Societies Registration Act, 1860 also, Public Trust registered under the Bombay Public Trust Act, 1950

Registration No. of the Society — 95/64 (Wardha) dated 11.9.1964

Registration No. of Public Trust -F-87 (W) dated 11.9.1964

Year of establishment : September, 1964

Major objectives :

(i) Conduct and promote at the existing Kastruba Hospital at Sevagram and at other places as may be decided from time to time by the Society, activities for inculcating health habits among the people and eradication of diseases by adopting all possible measures including health education, health insurance schemes, curative and preventive medical work, proper nutrition, provision of modern as well as other systems of medicine at very reasonable cost, provision of protected water supply, and sanitation research in the role of nutrition in preventive medicine, and promotion of environmental health, and for research in rducing the cost of primary health care, to grow medicinal herbs, food grains, vegetables, fruits and trees and develop and run a dairy farm on scientific lines.

(ii) Co-operation and coordination with all individuals and institutions in India as well as in other countries which have the same or similar objects.

(iii) Training and coordination with all individuals and institutions.

(iv) Training of personnel for carrying out one or more objects and activities of the Society and also of other official or non-official organisations.

(v) Establishment and/or maintenance of grants or aids to organisations, hospitals and health centres and/or institutions carrying out any of the aforesaid objects, as and when necessary and feasible.

(vi) Promote or assist in the promotion of any other item of Gandhian constructive work in the interest of physical, mental and social health of the people.

(vii) Affiliate with a national or international association or organisation or accept affiliation of any organisation or institution working along Gandhian ideology in the interests of realising its objectives.

Major research areas : Mahatma Gandhi Institute of Medical Sciences — a research project in medical education and health care to —

(i) Demonstrate that how health care to the community can be used for training young doctors and medical education need not be confined to the hospital.

(ii) Show that the cost of medical education can be reduced without sacrificing academic standards.



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(iii) Evolve a suitable pattern of medical education and delivery of total health care to the community suitable for developing countries.

(iv) Evolve a method of utilising training for providing services of high standard to the community.

(v) Determine the role of community leaders and para medical workers in delivery of primary health care and the extent to which other systems of medicine such as Ayurveda, Yoga & Nature Cure can be incorporated.

(vi) Develop research programme for understanding and control of community health problems such as Filaria, Leprosy, Tuberculosis etc.

Initial recognition : May, 1989

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 33.14 | 21.60 | 22.25 |
| Grants received: | | | |
| Government of India | 250.00 | 250.00 | 275.00 |
| Government of Maharashtra | 113.05 | 195.81 | 130.61 |
| Other Income | 80.91 | 105.91 | 105.04 |
| *Expenditure on R & D* | | | |
| • Capital | 48.62 | 23.28 | 22.52 |
| • Recurring | 526.97 | 66.20 | 603.17 |

**Infrastructural facilities**

Land & Building — Land : Value : Rs. 2.70 Lakhs

Building : Value : Rs. 375.05 Lakhs

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | MBBS/MD/MS/ Ph.D//M.Pharm | 96 | — |
| Social Sciences & Others | | — | — |

Library facilities : Full fledged Library with medical & research books, national international journals & photocopiers for making copies of references etc.

**Major achievements claimed**

- Technologies developed and ready for upscaling:
  - i) Immunoscreening test for filarial infection has been developed
- Research papers/reports published:
  - (i) 17 papers of Biochemistry Deptt
  - (ii) 15 papers of Community Medicine Deptt.
  - (iii) 5 papers of Microbiology Deptt.
- Seminars/Conferences attended/Lectures Delivered/organised:
  - (i) Attended/delivered guest lectures in 15 conferences/seminars in various Institute & Universities.



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(ii) 12 seminars/conferences attended and 5 organised by the Department of Community Medicine.

(iii) 4 seminars/conferences attended/organised by the Department of Microbiology.

- Awards won : Following awards won by Department of Biochemistry, President, Indian Immunology Society 1990-92—

  (i) Avadesh Saran Memorial Oration 1992.

  (ii) Dr. B.C. Roy National Award 1992.

  (iii) Indian Council of Management Executives Samaj Shri Award-Order of Merit — 1994 for Medicine.

  (iv) Fellowship of Indian Public Health Association in 1994.

- Any other : (i) Grand PVOH II Scheme by Government of India

  (ii) Department of Community Medicine has been recognised as West Regional Centre of Central Technical Committee, IMCD (Preiously ICDS) Ministry of Women & Child Development, Government of India for the State of Maharashtra, Gujarat and Karnataka.

**Name and Designation of five Senior Researchers**

- Dr. B.C. Harinath,
  Professor & Head of Department of Bio-chemistry &
  Director-TDRC
- Dr. K.V. Desikan,
  Emeritus Professor of Pathology & Director - LEPRA India
- Dr. (Mrs.) P. Narang,
  Professor Head of Department of Microbiology
- Dr. S. Chhabra,
  Professor & Head of Department of Obstetrics &
  Gynaecology and Director — Post Partum Programme
- Dr. B.S. Garg,
  Professor and Head of Department of Cimmunity Medicine.



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# THE MADRAS INSTITUTE OF MAGNETOBIOLOGY

**Address:**
52A, AK, Block, 7th Main Road,
Annanagar,
Madras-600 040.

**Background :**

Status of the SIRO : Registered Society

Year of establishment : 1984

Major objectives : Fundamental and applied research and development activity. Magnetobiology and biomagnetism and pooling and dissemination of research results in these disciplines.

Major research areas : Pulsed Magnetic Field Technology in clinciacal practice, agriculture and sericulture and neurophysiology, hypomagnetic field effects.

Initial recognition by DSIR : March, 1991

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 6.39 | 2.15 | 5.34 |
| Grants received | 6.24 | 3.89 | 2.33 |
| Other income | 9.83 | 5.15 | 5.81 |
| *Expenditure on R & D* | | | |
| • Recurring | 8.31 | 6.45 | 4.33 |
| • Capital | 12.20 | 5.39 | 7.08 |

**Infrastructural facilities**

Land & Building : Two-storied building of total area 11,000 sq.ft. on a site of about 8 grounds gifted by Tamilnadu Govt.

Equipment facilities : Gross Value : Rs. 100 Lakhs.

List of sophisticated equipment :

— BP Monitor 2300 with electrode cable
— Lumiscope (Disgitronic) Digital BP Monitor with pulse meter
— 12-channel computerised ECG with cable & electrodes
— Cardiat BPL 10ST with patient electrodes
— ZAK BIOPORT - Multi parameter wireless polygraphy
— EEG J131-





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— BMZ Magnetometer with tripod stand, collar magnet, turn magnet and La Cour 'D' Magnetometer

— Omniscribe Recorder B-5000 strip chart recorder

— Magnetic Field Balance with system for vertical intensity

— Photography Generator

— Fluorescent Microscope

— Spectrophotometer

— Microtome

Library facilities

A growing library with about 1000 books and periodicals on Physiology, Physics, Planetary Engineering, Botany and Agriculture

**Major achievements claimed**

(i) A Null Magnetometer system has been developed employing a Quartz Suspension Declinometer enclosed in a Helmholtz Coil Assembly, wheregy deflections of the magnetmirror system produced by a magnet under standardization, can be "nulled" by passing a controlled current through the Helmholtz coil. With this standardisation system, magnetic moments of high precision magnets of standard shapes and dimensions can be determined to an estimated precision of 1 part in about 1000.

(ii) A hypomagnetic room called the "Zero Field" room has been constructed as a special facility for psychophysical volunteers over extended periods of time (like weeks) under near-zero magnetic field conditions. The double-walled room is wrapped around by a cubic lattice made up of five giant square coils of side 3.25 metres. With appropriate currents flowing in these coils, the local geomagnetic field is almost totally wiped out. The finished room of size about 3 X 2-1/2 X 2-1/2 metres high, can accommodate 3 human subjects in reasonable comfort for tdays together in hypomagnetic environment, simulating outer space.

- Patents filed : The Institute has an on-going patent on one version of its 4-member controlled magnetic field (CMF) coil system used for PMF thereapy.
- Research papers/reports : 25 research papers and reports during the last 3 year
- Seminars/Conferences attended or organised : Every year the Institute has been holding a conference and symposium at National level, attracting a fairly large cross section of clinicians, medical scientists and scientists from other disciplines peripheral to Magnetobiology. Besides these a few invited talks also highlight the sessions, most of these being the AWARD Orations by eminent workers.



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- Awards won : Received 4 Awards during 1992-93, 1993-94 and 1994-95. (1) Dr. Casudev Memorial Oration at Trivandrum; (2) Gold Medal by Indian Medical Academy-Spitjerm Chapter; (3) MK Nambiyar Memorial Award by MIM and (4) Award of Excellence by the Holistic in Mardras.

The director of the receivial the award WOMAN OF THE YEAR 1994 by American Biographical Institute Inc., North Carolina, USA.

- Any other

i) Studies on Magneto-sericulture:

Under a DST-funded project preliminary lab. studies were carried out on the possible effects of Pulsed Magnetic Field (PMF) on the life cycle of silk worms with particular accent on the quality and quantity of silk yield. These studies, carried out under conditions of controlled humidity and temperature and minimal infection risk, appear to show that PMF at frequendes of 1 to 100 Hz has a benefical or catlysing effect on the final silk web yield, the tensile strength of web and in reducing the infection potential in the larvae. These results now need to be confirmed by further, more extensive studies.

ii) Researcn on application of PMF on wound healing:

Magnetic field in pulsed form was fund to have a remarkable curative effect on wounds of various aetiologies. In particular, recalcitrant ulcers, bed soures and post-surgery wounds were seen to respond remarkably well to PMF at extremely low frequencies.

iii) Magnetobotanical Studies:

Magnetobotanical studies, started about 7 years ago, were continued. In particular, research on paddy was conducted in collaboration with the Tamil Nadu Agricultural University, Coimbatore whereby paddy in bulk (several kilograms in a batch) exposed to PMF at the Institure under carefully controlled lab. conditions, was sown and cultured under controlled field conditions by the Agricultural University research group and assessed as to the quality and quantity of crop yield. The reslts have been very encouraging and a comprehensive project is now under process for extending these studies vis-a-vis the different parameters of the applied magnetic field.

The Institure has been publishing its own journal BIOELECTROMAGNETICS AND BIOMEDICINE which is the only forum in the country for presenting the research results in bioelectromagnetism.

**Name and Designation of five Senior Researchers**

- Dr. G. Raghupati Sarma, Additional Director
- Dr. S. C. Dhar, Read, Dept. of Biotechnology
- Dr. Sarada Subrahmanyam, President and Director
- Dr. P.V. Sanker Narayan, Driector (Technical)
- Mr. R. Varadharajan, Deputy Director



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# THE RESEARCH SOCIETY OF THE BOMBAY COLLEGE OF PHARMACY.

**Address:**
Kalina, Santacruz (E),
Bombay-400 098.

## Background

Status of the SIRO : "Scientific Research Organisation Registered under Societies Registration act 1860 and Bombay Public Trust Act, 1950.

Year of establishment : 1982

Major objectives :
(i) To undertake, conduct and encourage sicentific research in Pharmaceutical Sciences in the Bombay College of Pharmacy.
(ii) To sponsor, co-ordinace and encouragge of such activities conductive to promotion of research in Pharmaceutical and Allied Sciences.
(iii) To finance research projects.
(iv) To endow research fellowships.
(v) To give grants for research
(vi) To take all such measures as may be required to fulfil these aims and objectives.

Major research areas :
(i) Sustained Release Dosage Forms of Siclofenae Sodium.
(ii) Transdermal drug delivery for contracetive steroids.
(iii) Use of gamma radiation for contamination control crude drugs.
(iv) Bioequivalence of Indian drug formulations

Initial recognition by DSIR : 1995

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received | 7.00 | 5.15 | 2.50 |
| Grants received | 9.46 | 12.39 | 20.61 |
| Other income | 0.49 | 0.55 | 1.28 |
| *Expenditure on R & D* | | | |
| • Capital | 3.21 | 12.14 | 14.94 |
| • Recurring | 9.97 | 12.94 | 16.41 |



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**Infrastructural facilities**

Land & Building Area: : 10000 Sq.ft.; Value: Rs. 31.38 lakhs

Equipment facilities : Gross Value : Rs. 7.44 lakhs.

List of sophisticated equipment

— FTIR

— HPLC with UV,-Flourence and Electrochemical Detector

— Differential Scanning Colorimeter(DSC)

— Coulter Counter

— Silicon Graphic Computer with software

— Gas Chromatograph with electron capture detector.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduate | 3 | 2 |
| Social Sciences & Others | — | — | — |

Library facilities : Library facilities of Bombay College of Pharmacy are shared.

**Major achievements claimed**

- Technologies developed and transferred for upscaling/ commercialisation.
  - (i) Development of drug formulations with easy solubilities (cyclodextrin complexes)
  - (ii) Development of cosmetic products : Hair Shampoos.
- Techniques developed and ready for upscaling.
  - (i) Sustained release dosage forms of drugs like Nifedipine, Nicardipine, Theophylline.
  - (ii) Drug intermediates for antimalarial drugs; antinflamatory drugs, Cardiovascular drugs.
- New Techniques/methodologies developed and implemented
  - (i) Computer aided drug design of protein drugs.
  - (ii) Development of sensitive methods for drug concentration in biological fluids.
  - (iii) Development of methods for toxicological studies.
  - (iv) Development of sensitive eassay of insulin.
- Research Papers/Reports Published : 25
- Seminars/Conferences attended/ organised. : Attended : 2



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**Names of five Senior Researchers**

- Dr. H.P. Tipnis
- Dr. M.N. Saraf
- Dr. R. Shrivastava
- Dr. C.L. Viswanathan
- Dr. (Mrs.) M.S. Nagarsenkar



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# THE RESEARCH SOCIETY FOR THE CARE, TREATMENT AND TRAINING OF CHILDREN IN NEED OF SPECIAL CARE

**Address:**
Sewri Hill, Sewri Road,
Near Kalachowki Police Station,
Bombay-400 033.

**Background**

Status of SIRO : Registered Society

Year of establishment : 1964

Major research areas :

The institute is conducting research in the areas of medical handicap with particular emphasis on etiological factors, genetic, biochemical, social, cultural, psychometric and special educational aspects. Early detection and early intervention are of particular importance.

**Income and R&D expenditure:**

*(Rs. in Lakhs)*

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received | 5.15 | 2.66 | 4.16 |
| Grants received | 0.82 | 0.19 | — |
| Other income | 3.31 | 4.47 | 4.42 |
| *Expenditure on R&D* | | | |
| • Capital | 0.15 | 0.36 | 0.10 |
| • Recurring | 8.91 | 10.79 | 11.33 |

**Infrastructural facilities:**

— Land & Building: : Area 14376 Sq. feet
— Equipment facilities:
— Nikon optiphot microscope
— Electrophoresis Apparatus
— Spectrophotometer & Colorimeter
— Biochemical Laboratory for screening tests for metabolic disorders
— Dental Chair & Dental Unit
— 10 Channel E.E.G. machine
— PC AT Computer with Printer for computerised analysis of data.

R & D Manpower:

| | Qualification | Full Time | Part Time |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 9 | 2 |
| Social Sciences & others | Post Graduates | 4 | 2 |

**Major achievements claimed:**

- New techniques/methodologies developed and implemented: The technique of Fragile X detection on chromosomal analysis using folic acid deficient medium has been successfully developed and implemented in more than 550 cases with nearly 12% cases found to be positive.
- Research Papers published: 13
- Seminars/Conferences/Workshops/attended/organised: 21
- Awards won: National Technology Award for one-handed loom in 1993



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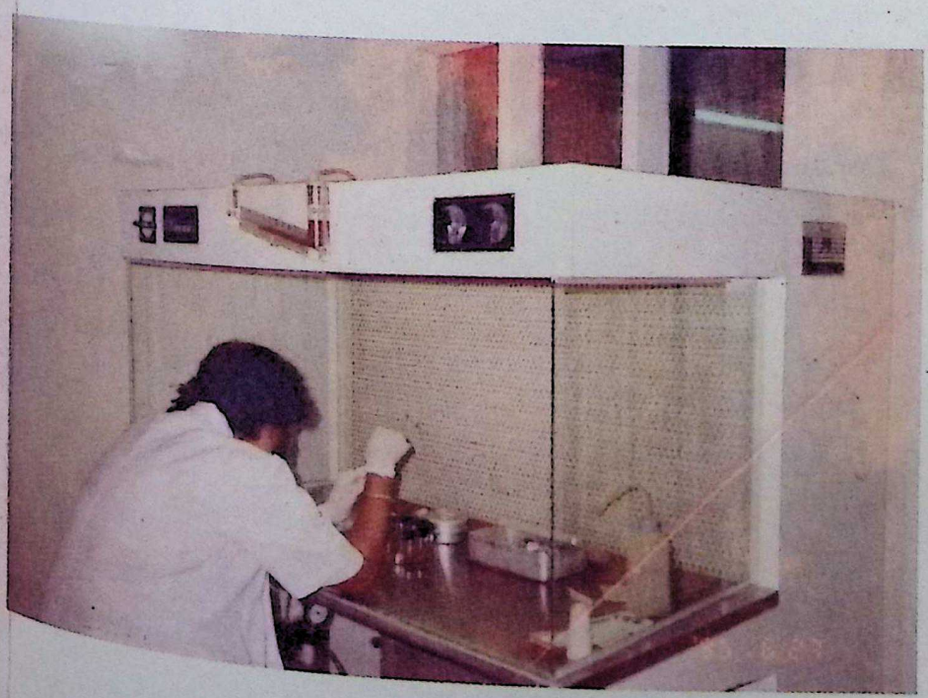
- Any other:
  - (i) Cytogenetic Studies in mental retardation—So far 1400 cases have been analysed and nearly 25% have shown an abnormal chromosomal complement.
  - (ii) Detection of Fragile X Mental Deficiency in 550 cases has been carried out and nearly 12% found to be positive. This is one of the largest studies in India.
  - (iii) Biochemical tests to detect inherited metabolic disorders are carried out in all cases and have revealed a number of such rare disorders.
  - (iv) Computerised analysis of nearly 1500 cases has been completed and the data obtained particularly that on 550 cases of Down Syndrome has been presented at various conferences.
  - (v) Effecacy of developmental occupational therapy in infants and preschoolers with delayed development

**Name and Designation of Senior Researchers:**

- Dr. Aparna P. Parikh, Medical Research Officer-in-Charge
- Dr. Neelam A. Goyel, Research Officer
- Dr. B. Bhanumathi, Cytogeneticist & Laboratory-in-Charge
- Dr. I. Banerjee, Cytogeneticist
- Dr. Saif Bijliwalla, Occupational Therapist & in Charge
- Mr. Dilip Kurani, Occupational Therapist



Laminar Air Flow Station in Tissue Culture Room



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# THE VOLUNTARY HEALTH SERVICES

**Address:**
JTTI Post, Adyar,
Madras-600 113.

**Background**

Status of the SIRO : Registered, non-profit Society. Teaching Institution

Major objectives : Prevention, control, treatment and relief of human diseases by the establishment of plans for rendering free charitable service or aid to the poor, needy, distressed and/or disabled and by undertaking research in the prevention, control, treatment and relief of human diseases.

Major research areas : Human life and diseases with emphasis on Community Health in rural areas.

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | 33.40 | 34.68 | 51.50 |
| Grants received | 35.63 | 51.56 | 32.97 |
| Other income | 126.66 | 116.33 | 138.12 |
| *Expenditure on R & D* | | | |
| • Capital | 50.58 | 40.18 | 54.74 |
| • Recurring | 164.29 | 162.78 | 37.28 |

**Infrastructural facilities**

Land : Area: 25.75 acres; Value Rs. 3.89 lakhs

| | | | |
|---|---|---|---|
| Building: | Value : | 180.98 | 188.65 | 202.43 |
| Equipment facilities: | | 100.55 | 110.63 | 130.25 |

R & D Manpower

| | Qualification | No |
|---|---|---|
| Scientific & Technical | — | 283 |
| Social Sciences & Others | — | 50 |

Library facilities : Well equipped library available

**Major achievements claimed**

i) *Primary Health* :

The Institution has pioneered in demonstrating a viable model for Primary Health Care, demonstrating community participation supplemented by Central Assistance. A number of Mini Health Centres are functioning for the delivery of the above concept by different voluntary agencies in Tamilnadu.

ii) *Research Programmes in the following areas* :

A. Department of Neurosurgery:

The following research programme were carried out during the year 1994-95:

1. Return of visual functions after Pitiuitary surgery
2. C.T. Scan and histological correlation Primary astrocytomas





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3. Suroiral study of astrocytomas
4. Results of anterior cervical Disectomy without fusion
5. Risk factors and complications

B. Department of Community Health :

1. A study on the prevalence of cataract in the elderly population of Sholinganallur Mini Health Centre area—genesis, treatment and prevention.
2. Study of impact of MAC Supplementary Nutrition mix on children under five years of age.
3. A study on the sufficiency of training for the health workers at Mini Health Centres—An assessment of the quality of services.

C. Department of Diabetology :

1. Epidemiology of Juvenile Diabetics in South India (ongoing research study) includes family studies and long term follow-up studies.
2. Outcome of pregnancies associated with overt and gestational diabetes and abnormal glucose tolerance-A Meta Analysis.
3. Study of socie-economic and cultural implications of treating young IDDM cases in Southern India.
4. The Department of Nutrition & Dietetics organised diet exhibitions in the past and are conducting weekly diabetic diet/receipe/ cookery demonstration.
5. Convulsive disorders in young IDDM cases in collaboration with the Department of Neurology.
6. Prospective study on diabetic Retinopathy—Visual Morbidity in JIDDM cases in collaboration with TERF, Vijaya Hospital.
7. Realtime B-mode imaging of liver, pancreas and kidneys and Doppler study for peripheral vascular disease in Juvenile diabetics—in collaboration with MEDISCAN, Madras and Ultrasonography Research Centre, Madras.
8. Outcome of Diabetic Pregnancies with special reference to Therapy, complications and cogenital anamolies—Ongoing project in Collaboration with Dr. Prema Krishaswami.
9. complication profile in JIDDM (type)—Long term ongoing following-up study.
10. Clinical Profile complications and natural history of IDDM cases with 2 countries—Indo—UK collaborative study with St. Bartholomew's Hospital, London.
11. Impact of education and control of DM and NIDDM and iddm.
12. Incidence of gestational diabetes in collaboration with Dr. Prema Krishnaswami—a 6-months study.
13. Clinical ECG and ECHO co-relation in longstanding IDDM—An assessment prospective study in collaboration with Vijaya Heart Institute and G.A. Vasant, Madras.
14. Dietary assessment of the individual and family—Effect of Indian Vegetarian diet in prevention of diabetic complication—Indo-British study—Planned to study the usefulness of vegetarian diet in reducing complications.



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15. Analysis of planetary influences as predectors of IDDM in young—Indo-British study.

16. Effectiveness of Indegenous preparation in Diabetes Mellitus—Ongoing project to study the various indigenous medicine in diabetic control in NIDDM & IDDM.

17. Prospective study of Microvascular complications in NIDDM & IDDM—a comparison.

D. Department of Neurology :

1. A drug (Il 200 Eldopa in power form Adme Gupt) is in progress on Parkinsonism stages I—IV (Iloen and Yehr's classification). The first phase of the trial involves 82 patients. Twenty two are being followed up. The Second Phase of the trial involves chronic parkinsonism in a total of 20 patients 5 patients have so far been enrolled.

2. The study of Stroke and Alcohol continues 20 patients who had Stroke without any other risk factor apart from alcohol were included. Binge drinking is a feature of all the patients.

3. A Project on Epilepsy above the age of 50 years have not totally accumulated 250 patients. A wide variety of causes were outlined and it is stressed that Space Occupying Lesion is certainly not one of the common cause. Important causes were: 1. Old Stroke, 2. Diabetes Mellitus 3. Alcohol with drawal/excess, 4. No cause in 50% of this material.

4. In a transfer of technology programme under Research guidance Dr. Sasikala was deputed for advanced training in Newer method of investigations, and newer drugs in Epilepsy. This will be completed at the National Hospital, Queen Square, London, by May 1995.

E. Department of General Surgery:

1. Diabetic foot infection (on-going Project)

   In addition to on-going research on Limb Conversations in Diebetic foot infections, work has been continued for the management of Trophic Ulcers in Diabetic foot, which pose a great problems in Management. The work is being continued; results are very encouraging; and the long-term results are being assessed.

2. Reported Recurrent Incisional Hernia in Abdomen after Mesh Plasty:

   The study was continued during the year. Research on these procedures is encouraging and is being continued to assess the long-term results.

3. Study of accuracy in FNAC:

   Study of accuracy in Fine Needle Aspiration Citology (FNAC) is solitary nodules of Thyroids in comparison to final operative specimen for Histopathology has been taken up. Thyroid Harmons assay with these nodules and the value of Thyroxine treatment of these solitary nodules proved bening of FNAC is being studied in collaboration with the Medical Endocrinology Department.\

| | | |
|---|---|---|
| Centre for Protein Engineering & Biomedical Research | : | By June 1995, first phase of research came to an end. The next quingennium should start by January 1996. A big plan running to over Rs. 2 crores is afoot. |



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Nearly 7-8 papers are in Press and a patent has been applied for, for a new research procedure on "Stable enzymes".

In 1996, planning an International Conference on "Protein stability".

Several clinical studies are going on, on inventions in clinical chemistry.

**Name and Designation of Senior Researchers**

- Dr. N. S. Murali,
  Consultant Surgeon & Hony. Secretary
  Dept. of General Surgery
- Dr. B. Ramamurthi,
  Neurosurgeon, Dept. of Neurosurgery
- Dr. Krishnamurthy Srinivas,
  Neurologist, Dept, of Neurology
- Dr. C. V. Krishnaswami,
  Diabetologist, Dept. of Diabetology
- Dr. N. Veeraraghava,
  Research Unit on TB & Leprosy
- Dr. P. V. Sundaram,
  Research Unit on Protein Engg., & Biomedical Research



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# VIKLANG KENDRA RURAL RESEARCH SOCIETY.

**Address:**
13 Lukerganj,
Allahabad-211 001

**Background**

State of the SIRO : Voluntary Society, registered under the Societies Registration Act, 1860, established in 1985.

Major research areas : Bio-mechanic & Rehabilitation Engineering related Sociology for prevention of handicapped.

**Income . R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | 3.00 | 0.98 | 0.84 |
| Grants received | - | - | 0.15 |
| Other Income | - | - | 0.15 |
| *R & D Expenditure* | 1.60 | .61 | 2.20 |

**Infrastructural facilities**

Land and Building : One bolck has been provided for the Research Society by the Sister Society-Rotary Sponsored Crippled & Youth Welfare Society.

Equipment facilities : Computer and some other equipment facilities.

List of sophisticated equipment :

— Computer;

— Prototype of Tread Mill made by the Society.

— Photographic set up for black and white photographs etc.

R & D Manpower

| Qualifications | Full-time | Part-time | Hony. |
|---|---|---|---|
| MBBS/MS | - | 2 | 2 |
| M.E. (Mechanical) | - | 1 | 2 |
| Ortho./Pros. Engineer | 3 | - | 3 |
| Scientific & Tech | | | |
| M.R.W. (Sc. Graduate) | 5 | - | 2 |

Library facilities :

Library facilities are available. These are now being upgraded with the financial help of State Bank of India.



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The aproximate area of the upgraded Library is 48' x 30'.

**Major achivements claimed**

- Transferred for Upscalling/ Commercialisation : Technologies Developmed

  (i) Biomaterials (like Cane and Bamboo) are utilised to develop aids for handicapped. More than 2000 number of such applicances have been fabricated Supplied from Brace an Limb Section during the years.The above mentioned could not meet the demand. Indigenously manufactured items can widely be supplied by the society to other agencies.

  (ii) Fabricated prototype of wheelchairs ergometer, fabricated mobile ergometer.

  (iii) Developed varieties of walkers from Bamboo/cane.

  (iv) Fabricated indigenous torque transducer for wheel chair.

  (v) Developed velocity transducer for wheel chairs also fabricated.

  (vi) Developed own amplifier for wheel chair ergometer.

  (vii) Experimenting on five finger prehension.

- Technologies deveoped and ready for upscaling

Bamboo seasoning methods have been established and a number of models of bending devices have been evolved. Various designs at appliances for Brace and Limbs are developed considering the economy and acceptablity of the patients. A further study, configuring the utility and its ergonomic feasibility have to be field tested. Ergonomic parameter of the equipment can be established with statistical validity by the expert working in the society.

- New Techniques/Methodologies developed & Implemented

  (i) Instrumentation of mobile torque transducers for mobility aids have been successfully done.

  (ii) Feasibility of wheel chair seating system has been studied.

  (iii) Biomechanism of fractured spine and external fixation by splint have been studied.



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- Research papers/Reports published : 2
- Seminars/Conferences attended/organised: 5

**Name and Designation of five Senior Researchers:**

- Dr. J.B. Banerji, Director.
- Dr. Bhasker Banerji, Addl. Director.
- Dr. Neera Banerji, Academic Co-Ordinator.
- Dr. Nirjhar Roy, Research Officer.
- Mr. Arup Mukherji, Orthotic Engineer.



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# VIVEKANANDA KENDRA YOGA ANUSANDHANA SAMSTHAN

**Address:**
Vivekananda Kendra Yoga
Research Foundation
19, Eknath Bhavan,
Gavipuram Circle,
Bangalore-560 019.

## Background

Status of the SIRO : Vivekananda Kendra Yoga is a registered Society recognised as Institution for purposes of 35 (i) (ii) of Income Tax exemption. Date of registration Feb 6,1986.

Major objectives :

i) To undertake scientific research in Yoga and its applications.

ii) To develop the necessary infrastructure:

1. Residential Campus Prashanti Kuteeram, the developing head quarters of VK YOGAS.
2. City centres in Bangalore.
3. Branches in (at present) Calcutta & Gwalior
4. Research laboratories, library, etc.

iii) To disseminate the finding of research through

1. Research publications

i) Research papers published in national and international journals and presented in seminars and conferences.

ii) Research dissertations, reports

iii) Books.

2. Symposia, Workshps and Conferances

3. Charts, audio & Vedio Cassettes

Major research areas :

i) Yoga for general public

ii) Yoga therapy for total rehabilation

iii) Yoga in education for alround personality development

iv) Yoga for stress release for the corporate sector and

v) Yoga research for unravelling the hidden dimensions of human potential.

Initial recognition by DSIR : May, 1988



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**Income and R & D expenditure**

| | | | (Rs. In lakhs) |
|---|---|---|---|
| *Income* | *1992-93* | *1993-94* | *1994-95* |
| Donations Received | 68.05 | 73.17 | 79.24 |
| Grants received | 00.62 | Nil | Nil |
| Other income | 12.96 | 00.76 | 00.96 |
| *Expenditure on R & D* | | | |
| • Capital | 39.39 | 40.36 | 17.51 |
| • Recurring | 26.73 | 43.66 | 55.70 |

**Infrastructural facilities**

Land & Building : Value : Rs. 174. 97 Lakhs (1994-95)

Equipment facilities : Gross Value : Rs. 7.84 lakhs.

List of sophisticated equipment :

— Flame Photometer

— A 10 channel polygraph

— A4 channel polygraph to record EKG, respiration, blood flow and skin conductance

— Benedict - Roth spirometer to record lung volumes and oxygen consume

— ECG equipment

— Biofeedback apparatus XL 17

— Defibrillator

— Spectro photometer

— Microscope

— Kirlian unit

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorate/ | 2 | 1 |
| | Post Graduates | 6 | 3 |
| | Graduates | 1 | — |
| | Others | 4 | — |
| Social Sciences & Others | Doctortes | 1 | — |
| | Graduates | 3 | — |

Library facilities : The Research library and reading room are now set up in one of the halls of the first floor of Anvesana (Research wing). Nerly 5000 books and periodicals have been collected. Subscription to scientific journals is restricted to mainly national journals



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for the time being. It is planned to increase the subscription list to include internatioal journals.

The library is being used by increasing number of course participants, research wing personnel, patients and yoga teachers in Prashanti kuteeram.

**Major achievements claimed**

- Technologies developed and transferred for upscaling/ commercialisation

  Intergrated approach of Yoga Therapy, total personality development, stress management.

- Technologies developed and transferred for upscaling commercialisation

  Yoga counselling, Yoga games songs, etc.

- New Techniques/methodolgies developed and implemented

  Advanced Yoga techniques for Cancer, etc: PET, MIRT, MSRT, MEMT, VISAK, ANAMS.

- Research Papers/Reports Published : 55
- Seminars/Conferences—Organised : 3
  —Attended : 11
- Awards on :1a. Man of Excellance Award by the Badaganadu sangha association 1994.

  b. Yoga Shree Award

  2a. Doctors day Award by IMA Bangalore branch on 1st July 92.

  b. Bangaore Karpakav-alli Award for excellence (woman) 1995.

  3.a. The Indian Science Congress assocaition's Young Scientiest Award for the Physiology section, for 1991.

  b. Shakuntala Amir Chand prize fo Young Scientists by the ICMR for research in human physiology, vide their communication dt. Jan 5, 1995.



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**Name and Designation of the Researchers**

- H.R. Nagendra, Director
- R. Nagarathna, Chief Yoga Therapy Consultant
- Shirley Telles, Asst. Director (Research)
- K. Geetha, Psychlogist
- Uma Krishnamurthy, Consulting Psychiatrist.



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**Address:**
C/o Vivekanand Hospital
Vidyanagar,
Latur-413 531.

**Background:**

| | | |
|---|---|---|
| Status of the SIRO | : | Registered Society |
| Year of establishment | : | 1984 |
| Major objective, major research areas | : | To unertake scietific Research in the area of CLINICAL MEDICINE. |
| Initial recogination as SIRO | : | June, 1984 |

**Income and R & D expenditure**

*Income* (Rs. in lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 8.26 | 17.45 | 11.39 |
| Grants Received | Nil | Nil | Nil |
| Other Income | 19.49 | 16.03 | approx. |
| *Expenditure on R&D** | 50.28 | 33.53 | 39.90 |

*Includes capital expenditure & Depreciation.

**Infrastructural facilities**

| | | |
|---|---|---|
| Land & Building | : | Area: 125 Beded fullfledged hospital unit. Modern investigative and therapeutic Facilities. |
| Equipment facilities | : | Gross Value Rs. 169.80 Lakhs |

List of sophisticated equipment :

— Haemodialysis
— E.E.G. Machine
— Medtronic Pacemaker
— Digital Electrophoresis
— Dipel Ultrasonic Foetus Monitor
— Variotomy Super AVS Unit
— Modern USG/2D Echo
— Gastroscope
— Semi Auto Analyser
— Image Intensifier I.I.T.V.
— C.T. Scan
— Broncho Fiberoscpe
— Computerised Stress Test
— Uretrorenoscope
— Blood Gas Analyser, etc.

| | | |
|---|---|---|
| Library facilities | : | Reference, books-250, journals-12. Total investment, Rs. 1.5 lacs Approx. |



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**Major achievements claimed**

- **Research papers/Reports published**: (i) Re-exploration Abd. Surgery major work 100 cases compilation and presentation. Selected as a subject for *Memorial oration at Masicon 1994.*
  (ii) Controlled Trial - Delivery in squalting position. Presented at International Confereence OBG *Won award for Best presentation*
- **Seminary/Conference/ attended** : 1 member represented at Montreal Canada
- **Awards won** (i) FIE Foundation-A National-1994
  (ii) Shatayushi-A-Pune-1992.

**Name and Designation of five Senior Researchers**

- Dr. A.L. Kukade, Surgeon
- Dr. G.R. Bharadia, Physician
- Dr. D.g. Deshpande, Ortho Surgeon
- Dr. Mrs. J.A. Kukade, Gyanecologist
- Dr. A.V. Kanetkar, Cardio-Thoracic surgeon



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# VISION RESEARCH FOUNDATION

**Address:**
No. 18, College Road,
Madras-600 006.

## Background

Year of establishment : **December, 1983**

Major objectives :

(i) To establish a Medical Research Centre with particular emphasis on research in Ophthalmology.

(ii) To undertake and promote fundamental and clinical research work in all medical subjects and particularly relating to eye diseases.

(iii) To undertake research into the incidence of short sight and increased prevalence of cataract in Indian population and study methods of prevention and cure.

(iv) To do research into the role of malnutrition and helminthic infestation in the causation of eye diseases.

(v) To undertake research into the diseases and surgery of the retina of the eye.

(vi) To undertake studies in physical characteristics of human beings and their role in the cause of eye diseases.

(vii) To carry on and promote research and development of surgical and non-surgical instruments for diagnostic and therapeutic purposes in the management of diseases and, in particular, eye diseases.

(viii) To promote research and development of eye glasses and pharmaceutical research in relation to eye diseases.

Major research areas : Clinical, Bio-Chemical, Immunological, Cytological, Sociological Diagnostic and Therapeutic aspects including Design and Fabrication of instruments for ocular diseases. We have recently set up genetic and molecular biology research Lab also for conducting basic and clinical research in genetics and molecular biology related Ophthalmic diseases.



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**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | 27.11 | 28.98 | 25.03 |
| Grants received | 6.00 | — | — |
| Other income | — | — | — |
| *Expenditure on R & D* | | | |
| • Capital | 54.00 | 23.20 | 22.09 |
| • Recurring | — | — | — |

**Infrastructural facilities**

Land & Building : Value : Rs. 74.81 lakhs

Equipment facilities : Gross value : Rs. 316.16 lakhs

List of sophisticated equipment :

The centre is well equipped with Sophisticated imported instruments such as HFLC, UV spectroprotometer, operation Microscope, Tonometer, Osometer, Milli & Water System, Specular Microscope, Endocoagulator, Excimer Loser, Microtome and a host of other sophisticated facilities.

**R & D Manpower**

| | Qualification | Full time | Part time |
|---|---|---|---|
| **Scientific & Technical** | **Doctorates** | **3** | **1** |
| | **Post Graduate** | **5** | **3** |
| | **Graduates** | **4** | **—** |
| | **Others** | **1** | **—** |

**Library facilities** : **The Library has over 2310 Books, 275 Journals Volume, 3500 Reprints, 350 Conference Papers, 190 Insurance Manuals, 725 Audio Digest Educational Tapes and about 350 Video Tapes.**

**The Library facilities for the following journals :**

1. **American Journal of Opthalmology**
2. **Archives of Ophthalmology**
3. **British Journal of Ophthalmology**
4. **Ophthalmology**
5. **Retina**
6. **Current Eye Research**
7. **Investigative Ophthalmology & Visual Science**
8. **Afro Asian Journal of Ophthalmology**
9. **Indian Journal of Ophthalmology**
10. **Journal of Cataract Refractive Surgery**
11. **Survery of Ophthalmology**
12. **Journal of Ophthalmic Nursing Technology**



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13. International Ophthalmology Clinics
14. Focal Points — Clinical Modules
15. Electronics for you
16. P.C. Quest
17. Anasthesiology
18. Audio-Visual Journal of Cataract

The Library has audio and video facilities for the benefit of Post-Graduate Trainees. Since the Trainee Consultants, Fellows and DO's are on shifts, they get adequate time for using the Library and the reference material. 'MEDLAR SEARCH' facility is also provided to the post-graduate trainees.

**Major achievements claimed**

Latest position with regard to various research projects taken up by the Foundation is summerised.

I. Details of Project Completed :

(i) Effect of Mitomycin C on Fibroblast cell cultures grown from subconjuncvital tissue from glaucoma patients.

(ii) Investigation of Congenital Cataract in relation to Glycosaminoglycans (acid mycopolysaccharides). A Hospital — based study.

(iii) Mitomycin-C in combined procedures — prospective randomized controlled study.

(iv) Use of Botulinum A Toxin injection in strabismus and blepharospasm.

(v) A Double-masked pilot study comparing Ciproflaxacin and Tetracycline ophthalmic ointments for treating conjunctivitis caused by Chlamydia Trachomatis.

(vi) Vitamin C and Cadmium levels in Serum and Cataract Lens — nucleus of cigarette smokers and non-smokers examined or treated in Sankara Netralaya : A Hospital — based study.

II. Ongoing Projects :

Some of the important ongoing projects are :

(i) Double-masked comparison of Ciloxan to fortified Tobramycin/ Cefazolin for treating bacterial corneal ulcers.

(ii) To study the aetiological role of tubercle bacillus in Eales' Disease from the Serum, vitreous, paraffin section of epiretinal, vitreous and subretinal membranes.

(iii) Mortality and Morbidity in Ophthalmic surgery.

(iv) Sponge for ophthalmic surgery.

(v) Investigations on the protein prealbumin and tryptophan in the fluids and lens-material of the eye in the patients treated in Sankara Nethralaya and in the Lens-material of Goats and Sheep from Slaughter House — Basic Research in Ophthalmology.





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(vi) Age-related histo-pathological changes at the macula in Indian Donor eyes.

(vii) Molecular Genetic analysis of pedigrees from the Indian Subcontinent with Autosomal recessive retinitis pigmentosa.

(viii) Ampicillin and sulbactum assay in Aqueous Humor and Serum.

(ix) Studies on glycation on lens-proteins and the effect of amino acids in — vitro basic research in ophthalmology.

(x) Comparison of In-vitro activities of Tetracycline and Ciprofloxacin against C. trachomatis isolates for conjunctivitis.

(xi) Immunoglobulin levels in tears and serum in soft contact lens wearers.

**Name and Designation of five Senior Researchers**

- Dr. H.N. Madhavan, (Microbiologist)
  Head of Microbiology Dept.
- Dr. S. Ramakrishnan, (Biochemistry)
  Head of Biochemistry Dept.
- Dr. K.N. Sulochana, (Biochemistry)
  Asst. Prof. of Biochemistry
- Dr. Jyothirmoy Biswas, (Ophthalmology)
  Head of Ocularpathology Dept.
- Dr. Lingam Gopal,
  Head of Vitreo-Retinal Dept.



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# Y. R. GAITONDE MEDICAL EDUCATIONAL RESEARCH FOUNDATION (UNIT: THE HEART INSTITUTE)

**Addrss:**
15, East Street,
Kilpauk Garden, Garden Colony,
Madras-600 010.

**Background**

Status of the SIRO : The Heart Institute, Madras was established in 1989 as an unit of the above mentioned charitable trust.

Year of establishment : 1977

Major objectives :
(i) To establish a centre of excellence for tertiary care of patients with cardiac problems.
(ii) To provide the best of cardiac care in an informal, friendly and homely atmosphere.
(iii) To ensure that these facilities are also available to the poor.
(iv) To provide an academic atmosphere creating an environment and outlook conducive for research, especially relevant to India.
(v) To involve in Primary Health Care related to cardiac problems.

Major research areas :

i) Fundamental research : Anatomy and Function of Mitral and Tricuspid Values: Newer concepts have ben evolved in the evolution, anatomy and function of atrioventricular valves. A Museum of heart valves was inaugurated by Sir Donald Ross and named after him.

Unique Congenital Malformations: Rare malformations of the heart have been studied and reported.

Pathogenesis of Congenital Cardiac Malformations: The embryology of brith defects of the heart have been analysed.

ii) Clinical research : Coarctation of Inferior vena cava: Filariasis has been detected as a cause. Surgical approaches have been evolved.

Innovations in Surgical Techniques: Several innovations in surgical techniques have been reported,

Operations on the Lung and Gullet: Newer approaches have been developed.

Cost Conservation: The Heart Institute is continuing its efforts towards making



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Open Heart Surgery economical, a topic whih is receiving world wide attention. Publication include (Keep in simple and safe Kiss approach to open heart surgery.

iii) Community Cardiology : The Heart Institute has been actively involved in initiating and popularising Rheumatic Heart Ailment Prevention (RHAP) project. Efforts have led to incorporation of school based, Primary and Preventive Health Care for about 1.5 lakhs of poor children in 360 schools in the Corporation of Madras. Teachers have been sensitised as 'Teacher Doctors' to assist in this programme; Public have been educated through television, press reports, booklets, seminars and talks.

iv) Biomedical Instrumentation : New Instruments have been designed.

Initial recognition by DSIR : April, 1995

**Infrastructural facilities :**

Land and Building : At present the Institute is functioning in rented premises inside the Vijaya Health Centre, Vadapalani. There are plans to acquire land and move to our own campus within a few years.

Equipment facilities : List of sophisticated Equipments

Cardiac Cath Laboratory with Digital Computerised Imaging and accessories;

Heart Lung Machine and Accessories;

Hypothermia Machine;

Intensive care monitors;

Blood gas and electrolyte analyser;

Stress test treadmill;

Computers.

R & D Manpower:

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates/ Post Graduates | — | 13 |
| | FRCS/FRCP | | — |
| | Others | 3 | |

Library : The hospital library has about 1000 books and many journals.

**Major achievements claimed :**

i) New Techniques/Methodologies Developed and implemented

1. Methodology for prevention of rheumatic heart and other diseases in children has been worked out and led to implementation of programmes for



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preventive health care for poor children in the coporation of Madras and Tamil Nadu.

2. Newer Fundamental concepts in the anatomy of the heart valves has been introduced into medical literature.
3. Several new techniques in surgery on the heart, lung and oesphagus have been innovated.

ii) National Recognition

i) The Government of India (Ministry of Science and Industrial Research) has accorded the status of Scientific Resarch Organisation to the Heart Institute.

ii) The Tamil Nadu Dr. MGR Medical University has recognised the Heart Institute for training in Thoracic and Cardiovascular Surgery leading to PhD Degree

iii) The National Board of Examinations, Government of India, has recognised The Heart Institute for superspeciality training in Thoracic and Cardiovascular Surgery.

iv) The Government of Tamil Nadu has recognised The Heart Institute for treatment of Government staff and for conducting transplants.

v) The Tamil Nadu Dr. MGR Medical University has co-sponsored two workshops at The Heart Inststitute. One was on 'Anatomy of Atrioventricular Valves' presided by Sir Donald Ross. The other was an INDO-CHINA workshop on Coarctation of Inferior Vena Cava and Vascular Surgery, moderated by Prof. Zhong Gao-Wang from China.

vi) The Director has been awarded 'Paul Harris Fellowship' by Rotary District 3230.

iii) International Recognition

i) The Director was conferred Hunterian Professorship by The Royal College of Surgeons of England, for work on Coarctation of Inferior Vena Cava.

ii) The Director has been receltly conferred The Arris and Gale Lectureship by the Royal College of Surgeons of England for contributions relating to Anatomy of Mitral and Tricuspid Valves.

iii) The Director has been invited to deliver guest lecture in China.



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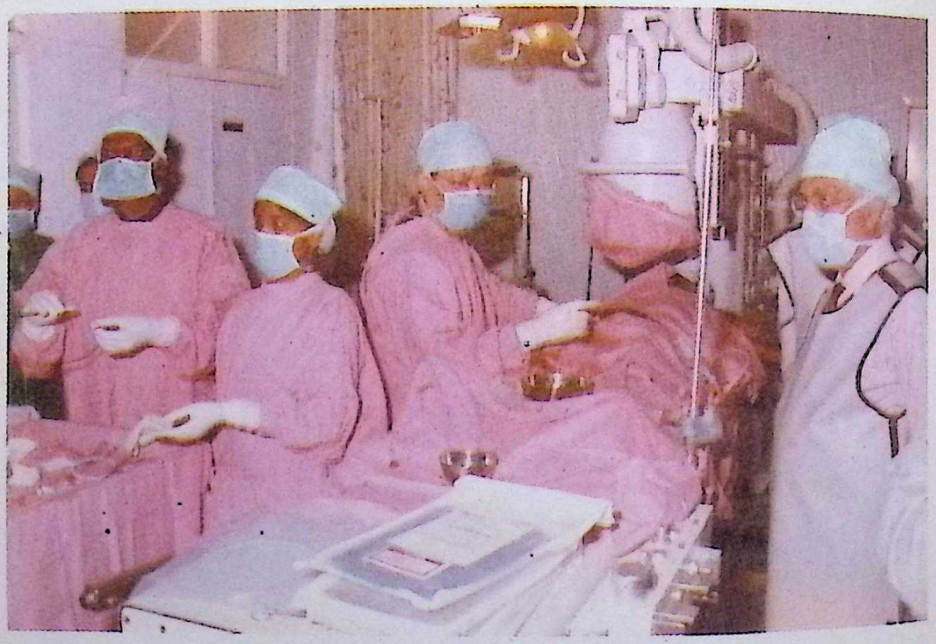
iv) The Director has been conferred associated Editorship of Asia Pasific Journal of Thoracic and Cardiovascular Surgery.

v) Work done at the Heart Institute has attracted three editorials in international journals. About 70 publications have appeared mostly in peer reviewed journals.

**Name and Designation of five Senior Researchers:**

- Prof. Solomon Victor;
- Dr. M. Kabeer;
- Dr. Vijaya M Nayak;
- Dr. V. Jayanthi;
- Prof. N. Madanagopalan.



Technique for angioplasty for dilating blocked veins draining the liver.



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# ZANDU FOUNDATION FOR HEALTH CARE

**Address:**
C/o Zandu Pharmaceutical Works Ltd.
70 Gokhale Road (South),
Dadar, Bombay-400 025.

## Background

Status of the SIRO : Registered Society

Year of establishment : June, 1990

Major objectives :
i) To carry out Research in Agriculture and develop Agro-Techniques for cultivation of (chosen) Medicinal Plants.
ii) To transfer this technology to the farmers in backward districts for commercial cultivation as new cash crops.
iii) To develop Speed Farm and Tissues Culture Laboratory and Filed Gene-bank for providing necessary planting materials to growers. It shall also study wild growing germplasm collected from forest and evaluate in field and charactorate it to maintain the germplasm assembly.

Major research areas :
i) Medicinal Plants Research in Agriculture Crop Production and improvement.
ii) Farm Extension and Economics.
iii) Seed Production.
iv) Tissue Culture.
v) Plant Exploration and Germplasm evaluation.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* |
|---|---|---|
| Contribution Received | Nil | 50.10 |
| Interest on investments | 15.35 | 18.00 |
| Other income | Nil | 0.29 |
| *Expenditure on R&D* | | |
| • Capital | 62.36 | 16.00 |
| • Recurring | 3.87 | 12.07 |

## Infrastructural facilities:

Land & Building :
i) At Ambach. Dist. Bulsar
Area : 24 Acres
Value : Rs. 36.02 lakhs
ii) At New Bombay
Land on leave allocated and Licence Basis : 8 Hectres for the period of 10 years.

Equipment facilities : Gross value : Rs. 29.76 lakhs



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List of sophisticated equipment :

- BHS System Microscope (Olympus) with automatic Photomicrographic system.
- Zoom Stereo Microscopes.
- Laminar Flow
- Microprocessor controlled Gas Chromatograph
- Spectrophotometer
- HPLC
- HPTLC
- Capillary Elecorpheresis

R & D Manpower:

| Qualification | Full time | Part time |
|---|---|---|
| Scientific & Technical | 4 | 2 |
| Others | 2 | — |

Library facilities : Available

**Major achievements claimed:**

i) Development of Agro-Technology for
(a) Centella; and (b) Mucuna - Pruriens has been achieved

ii) Elite lines in the above craps selected and characterisation done.

iii) A Herbal Garden on important Medical Plants established.

iv) Genetic conservation and characterisation, Farmers Training programmes organised to transfer Agro practices developed, seed and literature given/being provided to enterpreneurs and growers.

v) Chemical Assay methods for L-Dopa content in MUCUNA seed and total glycoside content in CENTELLA leaves in standerdised and now used.

vi) Germination experiments:

Standard procedure for seed testing in the two crops is laid out.

Growth rate of the plants as well as secondary metabolite products has been estimated.

Initial standardisation of media for providing of explants.

Standard medium like murashige and skoog's (1962) medium is modified to meet specific growth requirements of the two species.

The meristematic tissue explants have been selected for further tissue culture studies.

**Names of five Senior Researchers:**

- Dr. J.M. Pathak
- Dr. N.S. Bhikne
- Dr. R. Krishnamurthy
- Dr. Sanjay Potdar
- Dr. Pankaj Suvegia



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# SOCIAL SCIENCES

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# ACADEMY OF SANSKRIT RESEARCH

**Address:**
Academy of Sanskrit Research
Melkote-571 431,
Mandya District, Karnataka

## Background

Status of the SIRO : Academy of Sanskrit Research is a registered society under Karnataka Societies registration Act, 1960. It was established in the year 1978.

Initial recognition by DSIR : September, 1993

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 0.23 | 0.50 | 1.92 |
| Grants Received | 18.52 | 29.22 | 15.40 |
| *Expenditure on R & D* | | | |
| • Capital | 9.98 | 14.18 | 11.81 |
| • Recurring | 19.08 | 13.37 | 13.48 |

## Infrastructural facilities

Land & Building : Area: Melkote (own) :10 acres
Area: 19080 Sq. Ft.

Equipment facilities : Gross Value : Rs. 9.61 lakhs.

List of equipment : Computers, Printers

R & D Manpower :

| Social Sciences & others | Qualification | (Full Time); |
|---|---|---|
| | Post Graduates | 4 |
| | Graduates | 1 |
| | Vasistadvaita vedanty | |
| | Naveena Nyaya/ | |
| | Alankara | 5 |
| | Others | 2 |

Library facilities:

The Academy has a Library building of 4,000 sq. ft. It has a good collection of books on Indology, philosophy, linguistics, culture, traditional medicine, ancient and modern science and also latest technologies.

More than 10000 works in palm-leaf and paper manuscripts are being preserved using the modern technology. The library is equipped with a plain paper copier and microfilm reader.

## Major achievements claimed:

- Technologies developed and transferred for upscaling commercialisation/ New Techniques/Methodologic developed & implemented

  i) The Academy has, so far, created a database consisting of 19000 nouns. A softwware developed is capable of generating, analysing and identifying any one of these nouns in any case and number. A database of 100 important roots, the verbal forms of which are often used is created. A software is developed for generating all the verbal forms in Kevalatinanta (verbal), Nijanta (Causative) and Sannanta (desiderative) in all the 10 Lakaras (tenses/moods) in Kartari and Karmani/Bhaveprayogas (active and passive/impersonal voices).



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ii) Semantic compatibility check which requires the semantic codes to be given to the nouns and the vernbs based on the world knowledge involves hereculean efforts. At present effort are on to examine the semantic compatibility taking the cue from the sastras.

iii) A number of software modules have been developed. The key ones are:
Subanta Form Generator (Morpholgical) & Analyzer;
Tijnanta Form Generator (Morphological) & Analyzer;
Databases like Amarakosa, Dhatupatha, etc.,
Syntax checker & Semantic checker;
Representation of 'Common-sense knowledge' based on various ontologies;

Sabdabodha generator.

As spin-offs of this project, the following modules have been developed.

| | | |
|---|---|---|
| (i) | Janani | * Synonym Retriever based on Amarakosa. |
| (ii) | Medha | * Multilingual electronic dictionary |
| (iii) | Prajna | * Generation of specific subanta forms |
| (iv) | Bharati | * Analyses the metre of Sanskrit verses |
| (v) | Pulavar | * Gives Synonyms for Tamil words |
| (vi) | Sasanam | * Electronic law dictionary |
| (vii) | Pratibha | * Translator from Sanskrit to Kannada and Tamil |
| (viii) | Kannada verb generation | |

This project will

* promote the country's technology.
* Produce in its metamorphosis, software and hardware modules, enhancing the industry's technology.
* Make India, the focal point of NLP research.
* the linguisticulate of the country will be integrated under one platform, viz. science and a common language - Sanskrit.
* enhance the heritage and culture of the ancient Indian language, Sanskrit.

The above modules can be made use of by students studying Sanskrit in schools, colleges and universities in particular and persons interested in Sanskrit in general.

- Research papers/Report published : 7
- Seminars/conferences attended : 3
- Conferences/Seminars organised : 3

* National seminar on Knowledge Representation in Sanskrit and Allied Semantic Theories, March 6 & 7, 1993 Indian Institute of Science Campus, Bangalore.
* National seminar on Inference Mechanisms in Sastras and computer science, April 7 & 8, 1994 at C.R.T.R.I. Campus, Mysore.



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* National seminar on Indian Semantics in collaboration with the Shri Jagannatha Sanskrit Visvavidyalaya, Puri July 1993.

**Name and Designation of five Senior Researchers:**

- Prof. Lakshmithalhala, Director
- Shri C. Krishnamurthi
- Vidwan K.S. Vandaharya
- Vidwan N.K. Srivastawa Iyengar
- Vidwan S. Naranjag Bhatia



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# ADMINISTRATIVE STAFF COLLAGE OF INDIA

**Address:**
No. 6-3-644, Bella Vista,
Hyderabad-500 049.

**Background**

State of the SIRO : Institution

Year of establishment : 1956

Major objectives : (i) to promote and provide for the study of the principles and techniques of organisation and administaration in the various spheres of national life and of cognate subjects;

(ii) to establish and maintain centres for research into problems of policy organisation, management and administration and to conduct scientific research in applied sciences in different spheres of nationalise including industry, agriculture, education, health and population, science and technology, development planning and administration etc.

Major research areas : Science and Technology Policy, Technology Management, Renewable Energy, Agriculture and Rural Devpt., Irrigation Management, Drug Policy Management, Health Policy, Health Management, Hospital Management, Management of Family Planning & Research and Development Management.

Initial recognition by DSIR : April, 1973

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | Nil | 9.50 | Nil |
| Grants received | : | 5073 | 64.19 | 74.56 |
| Other income | : | Nil | Nil | Nil |
| *Expenditure on R&D* | | | | |
| • Recurring | : | 50.73 | 64.19 | 74.56 |

**Infrastructural facilities:**

Land & Building : Value : Rs. 227.26 Lakhs

Equipment facilities : Gross Value : Rs. 316.35 Lakhs

List of equipments :

Computer, Vax 11/750, Multi Spectra Computer Projector, 40 Personal Computers, Expert System Workstation



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R & D Manpower:

| | Qualification | Full Time |
|---|---|---|
| Social Sciences & others | Doctorates | 9 |
| | IAS/MBA/FPM/ Post Graduates | 10 |

Library facilities : A fullfledged Library with over 64,162 accessions of Books, journals etc. covering varied disciplines for Research purposes.

**Major achievements claimed :**

- Research reports published : 12
- Seminars/Conferences organised : Seminar on Resettlement and Rehabilitation, Project Planning & Management for Rural Development, Seminar on Resettlement and Rehabilitation, Disaster managment, Environmental Management, Energy Management for Manufaturing Industries, Management of Technology, Industrial Risk Management, Environmental Management, Management of R&D Systems, Strategic Management of Hospitals, Management of Education Systems (For School & Higher Education)

**Name and Designation of Senior Researchers**

- Shri T.L. Sankar, Principal
- Dr. B. Bowonder, Dean of Research
- Dr. Ramesh Durvasula, Chairman, Social Services Area
- Dr. G.R.S. Rao, Area Chairman, Public Policy & Systems Area
- Dr. A.A. Waqif, Area Chairman, Economics Area
- Prof. B.R. Virmani, Area Chairman, Human Resource Area
- Dr. Mohinder N. Kaura, Dean of Consultancy
- Dr. K.S. Ramesh, Dean of Studies
- Dr. M.V.K. Sivamohan, Area Chairman, Agriculture & Rural Devpt. Area
- Prof. A.A. Gopalakrishnan, Project-tied Faculty



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# ASIAN CENTRE FOR ORGANISATION RESEARCH & DEVELOPMENT

**Address:**
C-126, Greater Kailash-I
New Delhi-110 048.

## Background

Status of the SIRO : Asian Centre for Organisation Research and Development (ACORD) is a non-government, non-profit society set up in 1981, providing consultancy services in the corporate and development sector.

Major activities : ACDRD's work spans a wide range of activities which include inputs in socio-scientific research, training for implementing scientific development at the grassroots level, development of communication aids for simplifying scientific procedures, and implementation of projects through inter interdisciplinary strategies relating to both sciences and social sciences.

Major research areas : Organisation research and consultancy developmental research with particular reference to acceptance and participation of new technological development and action research and documentation for scientific agricultural and other practices.

Initial recognition by DSIR : April, 1989

## Income and R & D expenditure:

*(Rs. in lakhs)*

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 0.92 | 1.22 | — |
| Grants received | 18.35 | 28.36 | 35.01 |
| Other income | 8.78 | 8.08 | 11.38 |
| *Expenditure on R & D* | | | |
| • Capital: | 1.01 | 0.023 | 3.23 |
| • Recurring: | 23.58 | 20.98 | 35.92 |

## Infrastructural facilities:

Land & Building : ACORD has access of rental space of land & building Double Storey

Equipment facilities : ACORD has its own facilities of photocopy, 3 computers and software, 3 printers, 1 cyclostyling machine, 7 air conditioned rooms, 4 telephones with intercom facility and various audio-video equipments for efficient research & analysis activities



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R & D manpower:

| | *Qualification* | *Full time* | *Part time* | *Senior Fellows* |
|---|---|---|---|---|
| Social Sciences | Doctorates | 2 | — | 5 |
| | Post Graduates | 4 | — | — |
| | Senior Professionals with Research and Publication output and with Master Degrees | 1 | 1 | — |
| Scientific & Technical | Post Graduate | — | — | 4 |
| | Graduates | — | — | 1 |

Library facilities : Modest library of books and journals. It also has a library of a large volume of communication aids on scientific agricultural practices meant for grassroots use and implementation. Library of audio and video cassettes dealing with many aspects of human resource development including cassettes on proper use of clean drinking water, proper timing of vaccination and other socio-scientific material are part of ACORD's library resources.

**Major achievements claimed:**

As a developing country, one of the main problems facing India is in the application and use of scientific information, knowledge and technologies for the benefit of the end-users for whom they were developed. The participation and co-ordination of scientific, administration of field and grassroot level implementations are integral to the success of scientific achievements. ACORD's work in research, training and programme implementation is focused towards these issues. The major recent achievements in the area of research are as follows :

- Research papers/Reports : 7
- New Technologies/methodologies developed and implemented:

ACORD has been actively involved in developing communication aids for disseminating scientific knowledge. They include flash cards on various scientific related issues. These were developed between 1990-1995.

In the area of different practices of agriculture they include :

(i) Paddy Nursery Raising

(ii) Paddy Transplanting and Fertilizer Application

(iii) Storage of Seeds

(iv) Sowing & Fertiliser Application in Maize

(v) Sowing & Fertiliser Application in Cotton

(vi) Sowing of Potato & Storage of Potato

(vii) Groundnut Cultivation

(viii) Seed Treatment



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In the area of health they include :

(i) Communicating the link between clean drinking water and health, by depicting contamination of water, water-borne diseases, sources of potable drinking water and methods of cleaning.

(ii) Depicting Tetanus, i.e., causes, symptoms and preventive aspects, particularly the child delivery practices that commonly cause this disease.

(iii) Child dehydration due to Diarrhea, causes, symptoms and Oral Re-dydration Therapy.

(iv) Malaria

(v) Depicting Measles and Tuberculosis i.e. symptoms and preventive aspects.

Communication Aids have also been developed in audio cassette from selected work include:

(i) Pre-recorded audio-cassette containing songs and lays on agriculture.

(ii) Pre-recorded audio cassette containing songs and plays on Family & self-concept of women.

(iii) Pre-recorded audio cassette containing songs and poems on health & immunization.

(iv) Posters depicting selection of seeds.

(v) Slide Films on Sanitation in the Community.

- Seminars/Conferences attended/organised :

ACORD has organised two major national level seminars on topics relevant for India's immediate needs. ACORD was among the first to organise a national level seminar in 1991 on Revitalising India-Making it work-a National Dialogue Between Industry, Government and Labour.

In 1993 a national level seminar was organised by ACORD on The Role of Institutions and Action Groups in Economic Restructuring and Quality of Life. Numerous conferences national & international have been addressed by ACORD Staff.

**Name and Designation of Senior Researchers:**

- Ms. Kiron Wadhera, Executive Director
- Dr. Meera Mitra, Director
- Dr. Reeta Moulik, Director
- Ms. Zareena Bhatty, Director
- Ms. Gurpreet Bhatia, Programme Officer.



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# BARODA CITIZENS COUNCIL

**Address:**
Above Health Museum,
Sayaji Baug,
Baroda-390 018.

## Background

Status of the SIRO : Institution

Year of establishment : 1966

Major objectives :
(i) To identify socio-economic and civic problems and to encourage various groups, especially the urban poor, in solving them.
(ii) To develop leadership, competance and faith of people in themselves.
(iii) To activise social organisations and enthuse members to work together.
(iv To disseminate correct information and make effective use of available resources.

Major research areas : Health and Human Care.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | 1994-95 |
|---|---|---|---|
| Donation received | 0.15 | — | — |
| *Expenditure on R&D* | | | |
| • Recurring | 0.18 | 1.18 | 1.17 |

## Infrastructural facilities

• Land & Building : Area : 6750 sq. ft; Value Rs. 15 lakhs

• Equipment facilities : Gross value : Rs. 20 lakhs

List of equipment : Computers, Film Projector & Photocopier machine

R & D Manpower

| | Qualification | Full time |
|---|---|---|
| Social Sciences & others | Doctorates | 1 |
| | Post Graduates | 3 |
| | Graduates | 1 |



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**Name of Senior Researchers**

- Mr. Vinubhai P. Patel
- Ms. Hemal Mehta
- Dr. Sulochana Oza
- Ms. Miko Trivedi
- Mr. Smitendu Panchal

Audio Visual Aids used for Research



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# BHARATI SAMSKRTA VIDYA NIKETANAM

**Address:**
12, Shankar Kunj
Himalaya Society Complex
Asalpha, Ghatkopar West
Bombay-400 084.

**Background**

Status of SIRO : Institution (Educational) affiliated to Poona University

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations Received | : | 0.88 | 4.17 | 3.85 |
| Other income | : | 0.26 | 0.35 | 0.45 |
| *Expenditure on R & D* | : | 0.40 | 0.38 | 1.19 |

**Infrastructural facilities:**

Land and Building : Area: Land admeasuring 21,485 sq. ft.
Value : Rs. 4 lakhs

Equipment facilities : Gross Value : Rs. 5 lakhs

List of equipments : Computer Systems (286 & 386), Laser 4 Dot-Matrix Printer.

R & D Manpower : 12

Library facilities : Library of over 2000 Books of all important Sanskri Works supplemented by periodicals and journals is well-maintained. Lending facility of Poona, Bombay Universities and Bhandarkar Oriental Research Institute is availed of as and when necessary.

**Major achievements claimed:**

Bharti Samskrta Vidya Niketanam was established with an aim to provide opportunities for education in Sanskrit Language and Literature to the maximum number of the community who wished to learn Sanskrit but could not do so for a variety of reasons. One of the ways of doing so, was to improve upon the conventional Language Learning/Teaching Method which is found to be time-consuming and cumbersome. Another draw-back of the traditional method adopted in Schools and Pathashalas was that, in spite of spending several years in the pursuit, the students were unable to acquire the skill of writing or speaking Sanskrit. Hence in initial stages efforts were made in this direction by adopting audio-visual methods. With the minimum of guidance from a Teacher and without being required to learn grammatical paradigms by heart, a student could learn the Language with the help of audio-visual materials that was provided to the learner. Such a method produced encouraging results both for the Teacher and the Taught.

At an advanced level of Sanskrit Language Study, there was and is demand for Paninian Studies. During the audio-vidual sessions, the terminology as well as relevant Aphorisms from Panini when appropriately introduced, are appreciated and imbibed well by the Participants. As a natural outcome, curiosity as well as interst is aroused in Panini, the greatest Grammarian



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of all times, leading the Participants to demand further instruction in the unique system.

One of the grandeurs of the System is the Algebraic mode in which the rules could be presented. Each condensed statement of the Aphorism of Panini require one or more words to be carried forward from the earlier Aphorisms, for its comprehension. The Indian Grammarians have given the name (recurrence) to this feature. The lucidity and effectiveness of algebraic presentation of the Aphorisms prompted to take up the task of preparing Study Materials for Sanskrit Language Learning/Teaching based on Paninian Grammar.

Out of the several Research Projects on the anvil, priority has been given to the project of Saskrit Language learning/teaching scheme, as the atmosphere, with the marvel of advanced electronic media, is quite congenial for it.

At this stage, the introduction of Computer technology with Mutilingual Software gave a good impetus for preparing, strong and up-dating of Study Materials in a remarkably speedier and more efficient way.

Memoranda of Understanding with C-DAC, Pune and NCST, Bomby have brought about conspicuous results towards perfecting of the Multingual Software compatible to DTP and Data-processing.

The अनुवृत्ति or the words carried forward to the subsequent Aphorisms is quite helpful in understanding them in their proper logical context. This Method eliminates the traditional dry and wearisome process of learning by heart. Understanding the Aphorisms in their logical presentation in algebraic style step by step, makes the learning a pleasant experience.

Hence the necessity for such an aid to Paninian Grammar was keenly felt. Its preparation was immediately taken up and with the Software provided by C-DAC and NCST, the Data-entry has been done and the work is reaching the final stage.

In the modern age of stress and turmoil, the Correspondence and Distance Education Courses have grown popular and they proved to be the solution for the problem of finding time to attend regular Study Classes. Such Correspondence/Distance Education Courses have been planned for learning/teaching Sanskrit Language with the help of grammatical work known as the Laghu Siddhanta Kaumudi. A noted Grammarian, Varadaraja has selected 1200 most essential Aphorisms out of about 4000 given by Panini in his Ashtadhyayi. After the completion of the computerised Course Material on Laghu Siddhanta Kaumudi, the preparation of that of Siddhanta Kaumudi of Bhattoji Dikshita, which is a full-fledged Work on Paninian System, will be taken up on similar lines. The Student who masters this Work can very well aspire to have a grip over Sanskrit Language within a much shorter time in comparison with that of the heretofore adopted conventional method of study. The Laghu Siddhanta Kaumudi has fully been computerised and is in the process of editing. This Work either in toto or topic-wise is prescribed in all the Universities, both in India and Abroad for students of Sanskrit, Hence, eventually it should prove to be of definite use to the University Students as well.

- **Research Papers/Reports Published** : Khila-sukta of Rgveda (230 pages) a valuable research work has been published in August, 1995.
- **Seminars/Conferences attended/organised** : Research Papers presented in various Seminars and Journals.



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**Name of Senior Researchers**

- Dr. Geeta
- Dr. Niranjana Desai
- Shri N. R. Sundaram
- Shri A. R. Parthasarathy, (Research Associates)



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# BIRLA ECONOMIC RESEARCH FOUNDATION

**Address:**
9/1, R. N. Mukherjee Road,
Calcutta-700 001.

**Background**

Stauts of SIRO : Institution

Year of establishment : November, 1987

Mojor objectives and major research areas : Conducting research in the area of social sciences, mainly Economics and Statistics.

Initial recognition by DSIR : March, 1988

**Income and R & D expenditure**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | 6.00 | 8.00 | 8.00 |
| Other income | : | 0.042 | 0.33 | 0.43 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.094 | 0.17 | 0.19 |
| • Recurring | : | 5.26 | 5.79 | 6.39 |

**Infrastructural facilities:**

Land & Building : Using the premises taken on lease from the Birla Institue of Scientific Research at NOIDA.

R & D Manpower :

| | Qualification | Full time | Part time |
|---|---|---|---|
| Social Sciences and Others | Post Graduates | 4 | 2 |
| | Doctorates | 7 | — |

Library facilities: : Well equipped Library having inter-loan library facilities with major libraires in Delhi/New Delhi.

**Major achievements claimed:**

i) **Value Added Tax (VAT)—Why & How:**

The monograph has suggested three possible schemes or designs for VAT: First, States and Union Territories may levy a comprehensive VAT on uniform rate of rates with a Constitutional provision that a percentage of net receipts is made over to the Centre. Second, that both the Centre and the States have their own VAT. The third, which is perhaps economically more sound, is that there should be a comprehensive national VAT on destination principle, again with a guarantee under the Constitution that the Central Government will pass on percentage share of the yield from this levy to various States and Union Territories.

ii) **India's Domestic Public Debt:**

This Project study analyses corrective measures of prescribing a ceiling on public debt of the Centre and retiring it through sale of



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public assets. The real solution of the problem lies in voluntary financial discipline on the part of the Government which should not be equated with a general scaling down of its budgetary expenditure as such. Instead it should be taken to mean providing every essential public service adquately and as efficiently and economically as possible.

iii) **Inflation—A View:**

The study attempts to explore both conventional and lesser known causes of inflation with empirical quantification and questions the thesis that at the current rate of growth, poverty can be eradicated through the so-called trickle-down effect. It also investigates the claims that inflation is an unavoidable price of growth and holds that it is possible to contain inflation at a low enough level with a reasonable rate of growth.

iv) **Export Strategy: Need for Revamping:**

The study underlines the relevance of the earlier recommendations and has come to the conclusion that at least 60 per cent of foreign exchange retention by the exporter and its use for all permissible economic activities not only makes economic sense but is also essential to sustain and expand the rate of export growth.

v) **Haryana—Progress and Prospects:**

This study deals with the level of development Haryana has attained since its formation, Haryana has emerged as a leading state in terms of development both in agriculture and industry. However, for the future development, the state has to pay more attention to water management and development of infrastructure facilities.

The study makes a number of specific suggestions in regard to — Agriculture, Water Management and Human Resource Development, Industry, Infrastructure — Energy, Transport, etc. and Data, etc.

vi) **Infrastructure for Exports:**

This paper briefly describes the present status and limitations of transport and communciation servies needed by India's international trade, in particular her exports and urges their expeditions development and modernisation.

vii) **Roads and Road Transport — Problems and Prospects:**

The study analyses and assesses the development of roads and road transport in India since independence. It highlights that 36 per cent of the villages are still without a road connection, that only about 47 per cent of the roads have some kind of a proper surface and that only 2 per cent of the national highways, which is only about 1.8 per cent of the total road length, have road surfaces comparable to international standards. It evaluates the prospects of achieving the targets of the Lucknow Plan (1981-2001), envisaging the construction of additional road length of about 830,000 kms. at an estimated cost of over Rs. 64,000 crores.

viii) **Fiscal Deficit, Adverse Trade Balance and the Debt Trap:**

The study presents in a graphic form the state of India's budgetary deficits, trade balance and growing debt burden along with graphic representation of each variable.

Growing fiscal deficit is the primary cause for international debt crisis. The study calls for all concerned so that fiscal deficit is brought down to minimum.



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### ix) Indian Petroleum Industry and POL Prices:

The study notes that the share of motor spirit in the consumption of POL products declined from 7.6 per cent in 1970-71 to 6.1 per cent in 1990-91, despite the rise in the number of automobiles run on gasoline, but on the other hand that of middle distillates, mainly diesel oil and kerosene, increased from 47.2 per cent to 57.3 per cent during the same period. It would thus be seen that motor spirit which accounts for a mere 6.1 per cent of the total consumption of petrolum products has come in for a specially harsh treatment insofar as price hikes are concerned.

Discussing the question of oil prices, the study has underlined the fact that while the exchequer and the public sector oil companies have been realising ever increasing amounts of money by way of taxes and profits from this sector, the consumer and in particular the user of motor spirit has to bear the brunt of increasing administered prices.

**Name of Senior Researchers**

- Shri G.L. Bansal
- Shri G.B. Sundriyal
- Shri K.R. Viswanathan
- Dr. H.L. Bhatia
- Dr. V.K. Pande



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# CENTRE FOR ADVANCED STRATEGIC STUDIES

Address:
MMDW Potdar Complex, Pune
University Campus,
Pune-411 007.

## Background

**Status of the SIRO** : The Centre was registered on 21 Sept. 1992 under the Society's Registration Act, 1860 and as a Charitable Public Trust on 28 Oct. 1992 under the Bombay Charitable Public Trust Act of 1950.

**Major objectives/Major research area** : Undertake research and analysis of subjects relating to national and international security, economic security, strategies for peace, security and development through seminars, discussions, publications at periodical intervals and close interaction with the faculty members and research students in allied disciplines in the Universities/Institutions and the Armed Forces, award research fellowships. Generate and promote interest among the academicians and the public in these subjects with a view to making them alive to national security concerns.

Initial recognition by DSIR : December, 1992

**Income and R & D Expenditure:**

*(Rs. in lakhs)*

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations Received | : | Nil | 12.8 | NIL |
| Grants Received | : | Nil | Nil | 0.43 |
| Other income | : | 0.08 | 0.87 | 1.55 |
| *Expenditure on R & D* | | | | |
| • Recurring | : | — | 0.3618 | 0.485 |

**Infrastructural facilities:**

Land and Building : Area: 1300 Square Feet, in Pune Univesity Campus given uder MOU.

Equipment facilities : Gross Value: (Rs. 0.8 Lakhs)

List of equipment : Computer and Printer

R & D Manpower : 2

Library facilities : Jayakar Granthalaya on Pune University Library of Gokhale Institute of Economics and Political Science. Library of HQ Southern Comand. CASS Library.

**Major achievements claimed:**

- Researchpapers/ Reports published : 3
- Seminars/Conferences attended/Organised : 21 out of which 4 were major, primarily designed as research prolects focussing on selected subjects.



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**Name and Designation of Senior Researchers :**

- Air Marshal (Retd.) S. Kulkarni
- Gp. Capt. (Retd.) SG Chitnis, (Ex Associate Professor, Pune Univesity)



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# CENTRE FOR APPLIED SYSTEMS ANALYSIS IN DEVELOPMENT

**Address:**
D 5/8, Salunke Vihar,
Pune-411 048.

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Institution |
| Year of establishment | : | August, 1980 |
| Major objectives | : | Research, Promotion of advanced educational progammes, Dissemi-niation and informed debate. |
| Major research areas | : | Education, Training and Scientific research in the areas of Systems Analysis, Operational Research, Regional Development, Resource Management, Industry, Agriculture, Irrigation, Health Planning, Energy Management, Technology Choice. |
| Initital recognition by DSIR | : | 1993 |

## Income and R & D expenditure:

*(Rs. in lakhs)*

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations Received | : | Nil | Nil | Nil |
| Grants Received | : | 11.34 | 15.33 | 34.00 |
| Other income | : | Nil | Nil | Nil |
| *Expenditure on R & D* | | | | |
| • Capital | : | Nil | Nil | Nil |
| • Recurring | : | 11.47 | 12.34 | 22.26 |

## Infrastructural facilities:

| | | |
|---|---|---|
| Land & Building | : | Rented Office Space at Pune and Bombay |
| Equipment facilities | : | Gross Value :Rs.6.23 lakhs |
| List of equipments | : | Computer, Digitizer etc. |

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 19 | 5 |

Library facilities : In house working library consists of Reports, Books and Journals about 3000 volumes.

## Major achievements claimed :

- Research Papers/Reports Published:
  - (i) "Study of NISSAT Card Scheme" DSIR, Ministry of Science & Technology, October 1992.
  - (ii) "Farmer Managed Irrigation System", CASAD, 1993
  - (iii) "Indian Banking and Finance since Independence and their Effects on Economic Development", ICEG and CASAD, 1994
  - (iv) "Long Range Science and Technology Policy for the Development of Tribal areas", CASAD, 1994



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(v) Third Biennial Conference; Asian Corospondent Institute, Asian Economic Growth, Policies, Problems and Co-opeative Endevours; Jakarta Indonesaid, April 1994.

(vi) Symposium—Celebration of D.J. White's 60th. Birthday, July 17, 1994, The University of Edinburgh, Department of Business Studies.

(vii) "Micro Estimation of Hidden Econom in India" Overseas Development Agency, U.K., 1995.

(viii) "Area Specific Bank Planning", State Bank of India, 1995-96.

**Research Papers:**

(i) Application of DSS in Resource Management: Two Case Studies, S. Datta, Presented at ICCS 1993, New Delhi, Jan. 22, 93.

(ii) "An Applicaition of O.R. in micro level planing in India"—S. Datta & R. Bandyopadhyay in Computers and Operations Research, Vol. 20, No. 2, 1993.

(iii) "Liberalisation and Management Education in India", CASAD, 1995.

**Name and Designation of five Senior Researchers**

- Dr. R. Bandyopadhyay, Director
- Mr. S. Datta, Asst. Professor
- Mr. K. R. Datya, Member G.B.
- Mr. S. Ghotge, Asst. Professor
- Mr. A.S. Roy, Asst. Professor



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# CENTRE FOR ORGANIZATION DEVELOPMENT

**Address:**
P.O. Madhavpur,
Jubilee Hills
Hyderabad-500 033.

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Registered Society |
| Year of establishment | : | 1980 |
| Major objectives | : | Research and Training on Management and Development of Organizations. |

## Income and R & D expenditure:

*(Rs. in lakhs)*

| *Income* | 1992 | 1993 | 1994 |
|---|---|---|---|
| Donations received | 1.30 | 1.30 | 2.20 |
| Grants received | 1.20 | 1.00 | 4.50 |
| Other income | 33.09 | 36.25 | 63.63 |
| *Expenditure on R & D* | | | |
| • Capital: | 3.69 | 13.44 | 12.11 |
| • Recurring: | 21.76 | 24.29 | 27.03 |

## Infrastructural facilities:

| | | |
|---|---|---|
| Land & Building | : | Land: 5 acres. Built up area: 5000 Sq.mtrs; Value: Rs. 135 Lakh |
| Equipment facilities | : | Gross Value: Rs. 26 Lakhs |
| List of equipment | : | Electronic Typewriters<br>Copier<br>PC-XT Computers, etc. |

R & D manpower:

| | | |
|---|---|---|
| Social Sciences and Others: | Doctorates | 7 |
| | Post Graduates | 4 |
| | Graduates | 8 |

Library facilities : A specialized library with over 3500 volumes exists upto December 1994. A sum of Rs. 7,72,000/- had been spent on books and periodicals. Annual budget for this purpose in 1995 is Rs. 90,000/-

## Major achievements claimed:

(i) 21 research studies and 15 projects on training needs analysis have been completed. Staff of the Centre have published 6 books and 70 papers.

(ii) Centre for Organization Development organized about 30 seminars and conferences in 1994.

(iii) A major study on Institutional Development Study for Andhra Pradesh Forest Department is completed in 1995.



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**Name and Designation of Senior Researchers:**

- Dr. B.L. Maheshwari, Director
- Dr. Archana Shukla, Assistant Professor
- Dr. Deepak Gupta, Assistant Professor
- Dr. Premchand Babu, Research Associate
- Dr. A. Velayudhan, Research Associate
- Mr. Nachiketa Tripati, Research Associate



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# CENTRE FOR POLICY RESEARCH

**Address:**
Dhasma Marg, Chankyapuri,
New Delhi-110 021.

## Background

State of the SIRO : The Centre for Policy Research (CPR) was registereed as Society under the Societies Registration Act XXI of 1860 in the Union Territory of Delhi in 1973. One of the Research Institutes on the grant-in-aid list of the Indian Council of Social Science Research under the Govt. of India, Ministry of HRD.

Major objectives : Social Science and Statistical Research

Initial recognition as SIRO : 1986

## Income and R & D expenditure:

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Membership fees | : | 0.75 | 1.60 | 1.10 |
| Grants received | : | 20.13 | 18.97 | 47.35 |
| Other income | : | 49.26 | 51.40 | 50.01 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 8.09 | 36.19 | 2.50 |
| • Recurring | : | 65.84 | 77.92 | 89.47 |

## Infrastructural facilities:

Land & Building : Area: 1374 Sq. Yds. of CPR building value: Rs. 84 lakhs

*List of equipments :*

— Intel 80486 based PC/AT with 4 MB RAM.

— Intel 80286 based PC/AT with 1MB RAM.

— OpScan 5 optical mark reading scanner.

— Local Area Network with 80386 Dx based File Server 4 MB RAM and diskless terminals of 1MB RAM.

— Local Area Network with 80386 based File Server with Seven diskless terminals.

— Intel 80486 based PC/AT with 4 MB RAM.

— 240 C.P.S. and 200 C.P.S. dot matrix printers.

R & D Manpower:

| | Qualification | Full Time |
|---|---|---|
| Social Sciences & Others | Doctorate | 14 |
| | IAS/ICS/IPS/ | 11 |
| | Post Graduates | 13 |
| | Gratuate | 1 |

Library facilities : The CPR Library has a collection of 9860



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Volumes including bound periodicals. The Library subscribed to 110 journals and received gratis 20 periodicals. These cover major policy fields of concern to the scholars at CPR. In addition to these 20 daily newspapers are being received in the Library.

The computerised system developed for processing and indexing of books, newspapers clippings, periodical articles and circulation of books and journals is in operation.

The Network 8010 fax machine & MODI F1505 Fax machines and the E-Mail are being extensively used for information and communication purposes.

With the help of Canon Plain Paper Copiers, bettter and efficient reprographic facilities were provided to researchers and other staff of the Centre.

**Major achievements claimed :**

- Research papers/Reports to Published : 18
- Monographs : 21
- Seminars/Conferences attended/organised :
  - (i) Seminar on National Bureaucracies in Federal System: The all India Services, 11-13 January, 1995
  - (ii) 14.1.95 Seminar on lessions of the cuban Missiles Crisis
  - (iii) CPR Organised Major International Arms Control Conference in Goa
  - (iv) 1.2.95 to 2.2.95 Indo-Bangladesh Dialogue
  - (v) 10.2.95 to 13.2.95 Indo-Isreal Dialogue at CPR
  - (vi) Strengthening Voluntary Action in India
  - (vii) CPR OECD Conference
  - (viii) 21.3.95 International Seminar on the Emerging Geopolitical Relities in Asia, UNDP office, New Delhi.
  - (ix) A Conference on Driving Forces and Impediments in collaboration with the Department of Science and Technology, held at the Conference Hall, IIT, New Delhi.
  - (x) 22.3.95 Seminar on Mr. P.R. Chari's book: *Indo-Pak Nuclear Stand Off: The role of the United States*



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**Name and Designation of Senior Researchers**

- Dr. V.A. Pai Panadiker, Director
- Dr. (Mrs.) Isher Judge Ahluwalia, Research Professor
- Dr. Charan Wadhva, Research Professor
- Dr. Brahma Chellaney, Research Professor
- Mr. B.G. Verghese, Research Professor
- Mr. Rajmohan Gandhi, Research Professor
- Mr. P.R. Chari, Research Professor



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# CENTRE FOR RESEARCH, PLANNING & ACTION

**Address:**
16-Dakshneshwar,
10-Hailey Road,
New Delhi-110 001.

**Background**

Status of the SIRO : Association (Non-Governmental Organisation), Registered under Societies registration Act xxi of 1860),

Year of establishment : 1978

Major objectives : To conduct Social Science Research; providing consultancy on developmental issues, on matters of programme management and promoting use of appropriate technology; help planners and policy makers in this area; prepare and implement development projects particularly for disadvantaged group of people; and undertake educational and training activities.

Major research areas : Social, Economic Planning & Development, Population, Education, Health & Family Welfare Rural Development, Medicinal Plants, Technology Management, Industry, Status & prospects, Irrigation, Water Management & Wasteland Development, Area Planning, TNA, KAP, IEC, Finance, S&T Manpower, Environment & Natural Resource Management.

Initial recognition by DSIR : 1988

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Grants received | 9.85 | 11.36 | 26.14 |
| Other income | 4.66 | 3.16 | 3.53 |
| *Expenditure on R & D* | | | |
| • Capital | 2.15 | 1.67 | 0.62 |
| • Recurring | 16.32 | 13.76 | 29.02 |

**Infrastructural facilities**

Land & Building : Value : Rs. 3.80 Lakhs

Equipment facilities : Gross Value : Rs. 3.20 Lakhs.

List of equipment : Electronic Typewriter, Fax; Franking Machine/Binding; Computers and Laser etc.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post graduate/ graduate | 5 | 6 |
| Social Sciences & Others | Graduate, PG. | 15 | 8 |



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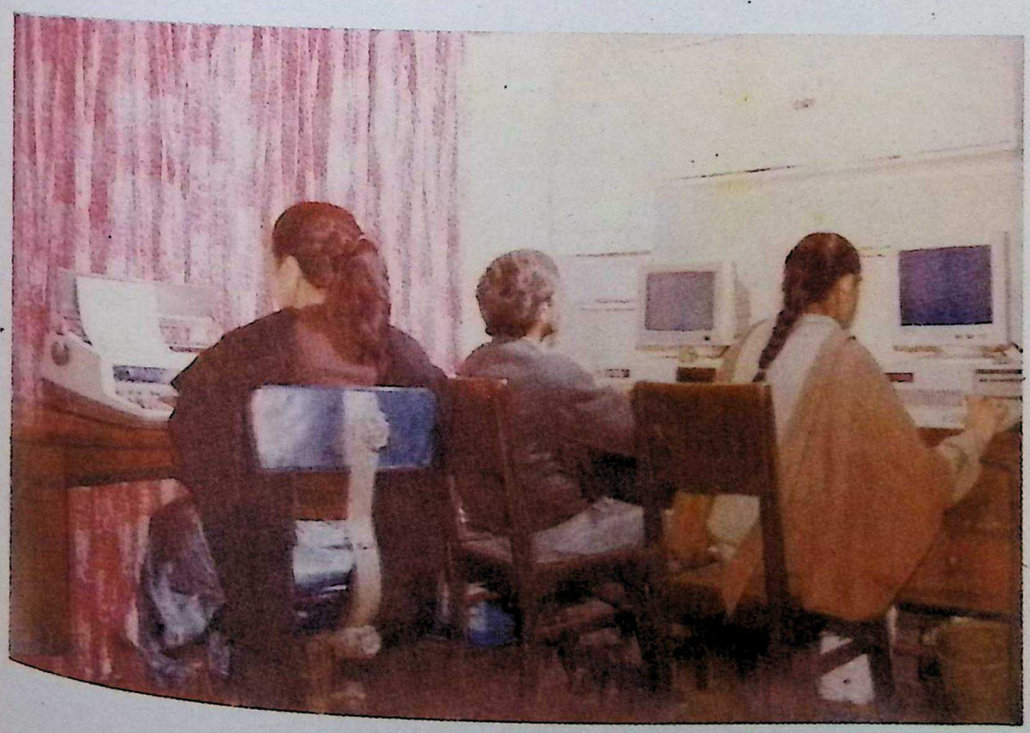
**Major achievements claimed**

- Research Papers/Reports Published:
  - (i) Environment Development & Poverty: 1992
  - (ii) Perception & Composition of Poverty & Route to Self Sufficiency : 1992.
  - (iii) Oilseeds in India—Status & Prospects : 1992.
  - (iv) Aspirations & Career Plans of Scheduled Castes Students in Medical and Engineering Institutions Vol-II : 1993.
  - (v) Major Oils & Oilseeds in India : 1993
  - (vi) Status & Prospects of Selected Oils & Oilseeds Vol-III : 1993.
  - (vii) A Techno-market Survey on Optimisation of Farming of Pulses in Dryland : 1994.
  - (viii) Modernisation of Metal-Crafts Industry in India : 1994.
  - (ix) Some Issues on Social Development : 1994.
  - (x) Health Care Equipment Repair & Maintenance Manuals for 24 Major Equipments : 1994.
- Seminars/Conferences attended/Organised:
  - (i) Technical Workshop 'Financial & Economc Analysis of Irrigation Projects : 1992'.
  - (ii) Technical Workshop on 'Environment Management and Urban Region Development : 1993'.
  - (iii) Besides the above programmes about 25 training programmes were organised for personnel in middle level management in PSUs and other organisations.

**Name and Designation of Senior Researchers**

- Sh. S.N. Pathak, Sectetary/Project Co-ordinator
- Sh. B.K. Khurana, Director (Research)
- Sh. V.K. Gupta, Consultant (Management & Technical)
- Sh. C. Lal, Director (Programme & Training)
- Sh. N.S. Mehara, Research Officer



In-house Computer & Electronic typing facility



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# CENTRE FOR RESEARCH IN RURAL & INDUSTRIAL DEVELOPMENT

**Address:**
Plot No. 2-A, Sector 19A
Madhya Marg,
Chandigarh-160 019, India

**Background :**

State of the SIRO : Institution

Year of establishment : 1978

Major objectives/ Major research area : To provide environment suitable for academic research and to undertake organise, guide and promote research in selected subjects in Humanities, Indian Culture, Comparative Religion, Social Sciences, Natural Sciences, Industry, Agriculture and such other fields as the authorities of the Centre from time to time.

Initial recognation : 1985 by Indian Council of Social Science Research (ICSSR).

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | 6.00 | 14.62 | 17.79 |
| Grants in aid. | : | 59.23 | 58.24 | 46.07 |
| Corpus Fund | : | — | 100.00 | — |
| other Income | : | 5.86 | 9.68 | 5.47 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 3.56 | 5.68 | 10.61 |
| • Recurring | : | 70.32 | 76.34 | 55.05 |

**Infrastructural facilities:**

Land & Building : i) Land: Area :1.50 acres (approx. 7500 sq. yards). Value: Rs. 4.88 Lakhs
ii) Building: Value: Rs. 84.25 Lakhs

Equipment facilities : Gross Value : Rs. 61.69 lakhs

*List of equipment:*

The centre is equiped with sophistcated facilities such as computers, printers, Photocopiers, Electronic Typewriters, overhead Projector etc.

R & D Manpower:

| | Qualification | Full Time |
|---|---|---|
| Social Sciences & others | Doctorates | 9 |
| | Post Graduate | 10 |
| | Graduate | 9 |
| | others | 1 |

Library facilities : During the last 3 years about 2000 new titles were added to the CRRID Library which already had about 16,000 titles. The library receives 120-130 journals every year. This includes journals on subscription, exchange and complimentary basis. Approximately 42 jornals are foreign based and the



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remaining are Indian journals. Keeping the tradition of binding the old issues of the journal, about 700 bound volumes of periodicals exists in the library.

**Major achievements claimed:**

- Research Projects Completed during last 3 years : 21
- Research papers/Reports :
  i) Research articles published from April 1992 till date : 25
  ii) Books published by CRRID from April 1992 till dated : 9
  iii) Research paper presented at the national International conferences, etc.:19
- Seminar/Conferences attended/Organised:

i) Towards New Beginnings in Punjab from 20-25 March, 1993

ii) Social Environment, Population and Development from 11-14 June, 1993

iii) Sustainable Development and Special Planning for the Environmentally Sensitive Northwest Zone of India from 10th July, 1993

iv) Environment in Crisis Waster Resource Management and Substainable Development of the Northwest Zone in India From 3-5-Sept., 1993

v) Jawaharlal Nehru, Maulana Azad and Communalism from 24-26 Nov., 1993

vi) Environment in crisis Rural-Urban Industrilation & Sustainable Development of the Northwest Zone in India from 10-12 Dec., 1993

vii) Expert Group Discussion on Agricultural Policy on Punjab from 4-6 Feb., 1994

viii) Media Dialouge from 28th 29th May, 1994

ix) Discussion Meeting on Book release function of the book "Structural Adjustment in Agricultural Sector of Growth and Development" by Prof. S.S. Johl from 23rd August, 1994

x) Panchayati Raj Institutions during 24th-26th Nov., 1994

xi) Impact of Punjabi Literature of Social, Cultural and political Development in Punjab during the time of Gurbax Singh-Preetlari during 29th-30th March, 1995

xii) Small Family Norms : Problems and Prospects 6th-8th May, 1995

xiii) Media Dialogue on "Gender Concerns in Main Stream Media : Beijing and beyond in collaboration with Media Studies Group and British Council Division during 24th June, 1995

xiv) Education, Population and Development: A Regional Perspectives of Northwest India during 12th July, 1995

xv) Release of the Report on "Operations Research in Spacing Methods" during 18th July, 1995

Lectures Series Organised at Centre for Research in Rural & Industrial Development, Chandigarh from April 1992 till Date : 24





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**Name and Designation of Senior Researchers :**

- Sh. Rashpal Malhotra, Director
- Prof. B.L. Abbi, Chief Research Adviser & Hony. Director (PRC)
- Prof. Ashish Bose, Visiting Professor
- Dr. N.S. Randhawa, Senior Adviser
- Dr. V.P. Dubey, Research Coordinator
- Dr. R.K. Grover, Project Co-ordinator
- Dr. Y.P. Chathley, Associate Research Co-ordinator
- Dr. Kuldip Kaur, Associate Research Co-ordinator



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# CENTRE FOR SOCIAL STUDIES

**Address:**
South Gujarat University Campus,
Udhna Magdalla Road,
Surat-395 007.

**Background**

Status of the SIRO : Institution

year of establishment : 1969

Major objectives : Consultancy, Teaching, Training, to organize seminars, workshops, etc.Major research areas, Social Sciences;

Initial recognition by DSIR : 1988.

**Income and R & D expenditure**

*(Rs. in lakhs)*

| | | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|---|
| *Income* | : | | | |
| • Grants Received | : | 19.40 | 20.06 | 20.50 |
| • Other Income | : | 3.31 | 3.89 | 4.90 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.38 | 0.13 | Nil |
| • Recurring | : | 22.33 | 23.82 | 25.40 |

Infrastructural facilities:

Land & Building : 3 Acres of land on South Gujarat University's lease. Office Library and Building of 17 staff quarters are constructed with the financial assistance of ICSSR, New Delhi and Government of Gujarat.

101186

Equipment facilities : Gross Value: Rs. 5.89 lakhs

R & D Manpower:

| | |
|---|---|
| Scientific & Technical | 2 |
| Social Sciences and Others | 11 |

Library facilities: Available particularly related to social sciences.

**Name and Designation of five Senior Researchers**

- Dr. Chanshyam Shah, Director & Sr. Fellow
- Dr. S.P. Punalekar, Sr. Fellow
- Dr.. Sudhir Chandra, Sr. Fellow
- Dr. Biswaroop Das, Fellow
- Dr.. D.C. Sah, Fellow



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# CENTRE FOR THE STUDY OF DEVELOPING SOCIETIES

**Address:**
29 Rajpur Road,
Delhi-110 054.

**Background**

Stauts of SIRO : Institution

Year of establishment : 1963

Mojor objectives :

i) to undertake and promote the study of modernization in its various aspects with reference to social and political change in developing societies and for educational purposes incidental thereto;

ii) to undertake, organise and facilitate study courses, conferences, semianrs, and lectures and research in matters relting to social and political modernization.

iii) to undertake and provide for the publication of a journal and of research papers and books to impart taining in and promote study of social and political modernisation;

iv) to establish and maintain libraries and inforamtion services to facilitate the study of social and opolitical modernizationand spreading inforamtion in regard thereto;

v) to co-operate with approved intitutions and bodies for he purposes of helping the cause of social and political modernization.

vi) to issue appeals and applications for money and funds in furtherane of the said objects and to accept gifts, donations and subscriptions of cash and securities and of any property either movable or immovable;

vii) to invest in government securities, scheduled and nationalised bansk and deal with funds and moneys of the Society;

viii) to acuqire, purcahse or otherwise own or take on lease or hire in the State of Delhi or outside, temporarily or permanently, any movable or immovable property necessary or convenient for the furtherance of the objects of the Scoeity:





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ix) to sell, mortage, lease excahnge and otherwise transfer or dispose of all or any property, movable or immovable, of the Scoeity for the furtherance of object of the Society;

x) to construct, maintain, alter, imporve or develop any buildings or works necessary or convenient for the purpose of the Society;

xi) to undertake and accept, the management of any endownment or trust fund or donation;

xii) to establish a provident fund for the benefit of the employees of the Society;

xiii) to offer fellowship and to grant schlarships and stipends in furtherance of the objects of the Soceitys and

xiv) to do all such other lawful things as are conducive or incidental to the attainment of the above objects.

Major research areas : Political Science; Sociology; Politial Economy; International Relations; Socio-political and Cultural Psychology; Ancient Indian and Chinese Hisotry; Philosophy; Alternative Science and Technology; Election and Parties System; Education Demographic Studies; etc.

Initial recognition by DSIR : 1992

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | : | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Grants Received | : | 34.02 | 42.56 | 51.18 |
| Other income | : | — | 0.93 | 1.83 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.30 | 0.35 | 1.85 |
| • Recurring | : | 29.71 | 34.88 | 42.78 |

**Infrastructural facilities:**

Land & Building : Area:3755 Sq.mt. Value Rs. 9.32Lakhs

Equipment facilities : Gross Value Rs. 4.47 Lakh

*List of equipment* : PCs, Photcopier & Electronic Typewirters

R & D Manpower :

| | Qualification | Full time |
|---|---|---|
| Social Sciences and | Doctorates | 8 |
| Others | Post Graduates | 5 |



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**Library facilities** : Reading room, borrowing and photocopying, and limited documentation facilites.

| | | |
|---|---|---|
| Books | : | 22,000 |
| Journals | : | 4,500 |
| Occasional Paper | : | 2,200 |
| Clipping Files | : | 600 |

**Name of Senior Researchers**

- Prof. Ashis Nandy, Director
- Prof. D.L. Sheth
- Prof. Giri Deshingkar
- Dr. Shiv Visvanathan
- Dr. V.B. Singh



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# DEEN DAYAL RESEARCH INSTITUTE

Address:
7-E, Swami Ramtirth Nagar,
Rani Jhansi Road,
New Delhi-110 055.

## Background

Status of the SIRO : A Society registered under societies Registration Act 1860

Year of establishment : March 1968

Major objectives : To carry out research in Social Sciences with a view to achieving reconstruction of Indian Society.

To establish Rural Development and Training Centres for carrying out research, with a view to motivate people in adopting new and improved technologies in the agricultural field.

Activities in the field of medical research, health, education and medical care.

To set up academic and Technical Vocational Training Institutes in rural areas.

To eradicate social evils by propagating social values amongst masses.

Major research areas : Social Sciences; Rural Management; Agricultural Development; Ayurveda and Yoga; Herbal Medicinal Plants; Health and Nutrition; Tribal Development; Animal Husbandry; Education, Industrial and Vocational Trining Centres.

**Income and R & D expenditure:**

| | | (Rs. in lakhs) 1994-95 |
|---|---|---|
| *Income* | | |
| Donations Received | : | 126.48 |
| *Expenditure on R&D* | | |
| • Capital | : | 8.88 |
| • Recurring | : | 0.13 |

**Infrastructural facilities:**

Land & Building : Area : 21 acres
Value : 3.68 Lakhs

*List of equipment:*
Computer & adequate facilities of audio-video equipment

R & D Manpower:

| | Qualification | Full Time |
|---|---|---|
| Scientific & Technical | Doctorate | 6 |
| | Post Graduates | 7 |
| | Graduates | 4 |
| Social Sciences & others | Doctorate | 2 |
| | Post Graduates | 3 |



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Library facilities : The Institute has a well equipped Library with a large collection of books and literature on Social Sciences & Rural/ Agriculture Development

**Major achievements claimed :**

● *Technologies developed and transferred for upscaling/commercialisation*:

They have started village industrial training centres in Gonda district of U.P., Singhbhoom district of Bihar, Beed district of Marathwada (Maharashtra) and in Chitrakoot for Satna district of Madhya Pradesh. The Gonda centre, which was started in 1982, training 1200 young men and women every year. They have started village workshops and are in a better economic position. Other Centres are new but showing encouraging results. Finding an appropriate means of irrigation is particularly helpful in making small holdings viable. With workable irrgation- arrangement the small farmer also can produce two crops, and with special efforts even three crops per year from small holding. Bamboo is abundantly available in the Gonda District (U.P.) We managed to prepare bamboos pipes instead of steel pipes for tube-wells. Now more than 17000 bamboo tube wells are irrigating the uneconomic holdings. From this innovative method the small farmers have improved their financial position considerably.

● *Technologies Developed and ready for upscaling*:

This Institute has made Vermiculture and compost manures popular amongst marginal farmers. The process of preparing 25 kg. manure with one kg gobar (dung) is being adopted. This gives a boost to the fertility of the soil and increases production of crops. The incidence and spread of diseases is reduced drastically. If thirty to forty percent Go-mutra (cow urine) is mixed with water, all kinds of crop diseases are eradicated by sprinkling this solution in the field and also productivity is increased. Realising this, people have again started go-palan (cow-rearing). This has also helped in tackling the problem of malutrition in villages. The farmers are becoming self-reliant because they no longer have to depend upon the big fertiliser factories nor have to spend large amounts of money in purchasing chemical fertilisers. This process is being popularised in a wider scale amongst the farmers.

● *New Techniques/Methodologies developed and implemented*:

Shrinking of land holdings is an ongoing process as a result of population growth in our country. Hence their is dire need to provide alternative vocational outlets for the rural masses to reduce pressure on land. The Institute has therefore undertaken an experiement by starting courses to equip rural youth with basic understanding and management training. No educational qualifications for admission to such courses are prescribed. Courses have been run for durations of 4, 6, 9 months and one year. Training is given in respect of ten crafts. At present every year 1200 young men & women are being training to run their own village workshops after the training. From the current year, 200 Scheduled Caste trainees have been admitted for these courses. In addition to the industrial-management training, the three Rs. are also taught. Thus this project of reducing pressure on agriculture and reverting the trend of leaving their rural homes to settle in urban-slums has proved successful. This experiment is also now being extended to the districts of Singhbhum (Bihar), Beed (MS), Banda (UP) and Satna (MP). This project has been named as "Udyamita Vidyapeeth".

A very large percentage of the population of our country is very poor. They have neither land nor porperity to subsist. Only their children are their assets and source of extra income. That is why they withdraw them from schools as soon as they are eight or ten years old. Realising this stark reality,



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Deendayal Research Institute has been busy in devising an educational pattern wherein the system of 'earning while learning' is practised. The expected results are hoped to be convincingly achieved in two or three years.

Life Long Health—Arogyadham (the abode of health) has started functioning at Chitrakoot. Experiments have been initiated in three villages to see that any child born in these three villages does not fall a prey to any disease. Even research is being carried out to eradicate hereditary diseases. Science of Yoga and Ayurveda are the base for achieving the desired results.

Other such fundamental research work is also undertaken by Deendaya! Research Institute.

- Social Reconstruction

Deendayal Research the Institute is trying to change mentality of servitude right from the grassroot level. They have adopted one hundred villages in different parts of our motherland. Local citizens are being motivated to develop their village life on all fronts. This will be the start of social performance of every family of the locality. The results are encouraging.

Need of the Hour—Need of the hour is to evolve such a pattern which will preserve values of life and transform the society utilising modern and better means of livelihood to re-establish harmony in the society. The institute working in this direction in different areas of the country.

Complimentarity—Deendayal Research Institute has under-taken the diffcult task of creating harmonous relations among thee four vital organs of the society. Experiments are being conducted in different parts of the country. People particularly in villages are responding better.

- Research Papers/Reports Published

Work done by this Institute in the field of social sciences & Agriculture has been published in paper/reports from time to time.

- Seminars/Conferences Attended/Organised

Good results have been achieved by holding seminars/conferences in the rural areas on agriculture research and rural development programmes. This activity has been practised regularly at all of our Centres.

**Name and Designation of five Senior Researchers :**

- Dr. Mahesh Chandra Sharma, Secretary of the Institute.
- Dr. Saket Bhushan, Principle Lal Bahadur Shastri, Krishi Vigyan Kendra, Gopalgram, District Gonda (UP).
- Shri R.G. Dhat, KVK Digholamba, District Beed (MS).
- Dr. Jai Dev Sharma, Principal, Tulsi Krishi Vigyan Kendra, Distt. Banda (UP)
- Shri V.B. Singh, Principal, Krishi Vigyan Kendra, Majhgavan, District Satna (MP)



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# FISCAL RESEARCH FOUNDATION

**Address:**
L-22, Hauz Khas Enclave,
New Delhi-110 016.

**Background**

Status of the SIRO : Regd. Society—1986.

Major research areas : Economic & Financial Research

**Income and R & D expenditure:**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | | | | |
| Donations Received | : | 13.35 | 1.28 | 0.80 |
| *Expenditure on R & D* | | 2.78 | 2.04 | — |
| • Capital | : | Nil | Nil | Nil |
| • Recurring | : | Nil | Nil | Nil |

**Infrastructural facilities:**

Land & Building : Rented accommodation

Equipment facilities : Gross Value : Rs. 1.25 lakhs

*List of equipments* : Computer & Printers & Fax Machines

R & D Manpower : 6

Library facilities : Law, Economics, books on social sciences and periodicals.

**Name of five Senior Researchers**

- Shri G. Sai Kumar
- Mrs. S. Supriya
- Sh. Anil Srivastava
- Sh. K. K. Malik
- Dr. S. Rajappa



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# FOUNDATION FOR ORGANISATIONAL RESEARCH AND EDUCATION

**Address:**
Adhitam, Kendra, B-18
Qutab Institutional Area,
New Delhi-110 016.

## Background

Status of the SIRO : Association & Institution

Year of establishment : Research Organisation: 30 November, 1981
Institution: April, 1992

Major objectivews : Exploration of the process of organisational change to accelerate the pace of human and institutional development leading to social progress.

Major research areas : Organisational planning and re-designing, work culture change, human resources planning and development.

Initial recognition by DSIR : 1988

## Income and R & D expenditure

*(Rs. in Lakhs)*

| | 1992-93 | 1993-94 |
|---|---|---|
| *Income* | | |
| Grants received | 2.46 | 4.40 |
| Other income | 84.27 | 146.70 |
| *Expenditure on R & D* | 9.66 | 5.21 |

## Infrastructural facilities

Land & Building : Covered area: 4157.38 Sq.m.
Total area: 0.44 Acre
Value: Rs. 133.09 Lakhs

Equipment facilities : Gross Value : Rs. 25.98 Lakhs

*List of equipment* : The center is well equipped with variety of computer systems, Photocopier machines, colour T.V. etc.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 1 | — |
| | Graduates | 1 | — |
| Social Science and others | Doctores | 3 | 1 |
| | Post Graduates | 5 | — |
| | Graduates | 1 | — |

Library facilities : Number of books - 6000;
Number of journals - 60;
Number of papers - 14.

## Major achievements claimed:

- Technologies developed and implemented:
  - (i) Self managed Institutions model
  - (ii) Community leadership programme in Delhi slums
  - (iii) Setting up voluntary organisations
  - (iv) Promoting positive work culture in corporate world



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- Important Projects Completed :
  - (i) Attitudnal change at Delhi Police (1990)
  - (ii) Research and Training on work culture change in Crime (women) Cell, Delhi Police (1991)
  - (iii) A Psychosocial study of slums in Delhi (1989-92)
  - (iv) The study of and improvement in the work culture in ONGC (BRBC) (1992-93)
  - (v) Evolving and integrated cost effective module for rural energy inputs (1993)
  - (vi) Community Leadership Development Programme (1993-94)
  - (vii) A study of Socio cultural and motivational profile of women workers in the Health Delivery System in Delhi (1994)
  - (viii) A perceptual study of Human Development in India (1994)
  - (ix) A study of preferred Careers and work values of Aspirants (1995 gross receipts from research projects for the last 3 years was over 17 lakhs.
- Workshops & Training Programmes offered : 21

**Name and Designation of five Senior Researchers**

- Prof. N.K. Singh, President FORE
- Mr. R.S. Saxsena, Director In-Charge
- Dr. Neena Sondhi, Sr. Res. Fellow
- Mrs. Mereena Mathew, Res. Executive
- Ms. Priyanka Grover, Res. Executive



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# GANDHI LABOUR INSTITUTE

**Address:**
Thaltej (Drive-in) Road
Memnagar
Ahmedabad-380 052

## Background

Status of the SIRO : Established as a society registered under the Societies Registration Act 1860.

Major objectives : To promote harmonious relations and provide social justice to labour. Gandhi Labour Institute aims at serving the cause of all types of labour-whether rural or urban, organised or unorganised, employed or self-employed, private sector or public sector.

Major research areas : Action based research in current and emerging issues concerning labour and employment.

## Income and R & D expenditure:

*(Rs. in lakhs)*

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | | | | |
| Donations Received | : | 0.03 | Nil | 5.00 |
| Grants Received | : | 57.61 | 61.30 | 67.20 |
| Other income | : | 2.82 | 2.49 | 2.84 |
| *Expenditure on R & D* | | | | |
| • Capital | : | 5.58 | 7.97 | 11.57 |
| • Recurring | : | 7.64 | 13.19 | 25.32 |

## Infrastructural facilities:

Land & Building : Area: 5600 sq. mtrs;
Value: Rs. 149.60 lakhs

Equipment facilities : Gross Value :Rs.22.44 lakhs (except books)

List of equipments :

Overhead Projector, LAN Computer System, Slide Projector & Concerence System.

R & D Manpower

| | Full time | Part time |
|---|---|---|
| Scientific & Technical | — | 01 |
| Others | 07 | — |

Library facilities : 14279 books, 58 video cassettes on Industrial safety & 1860 slides on Industrial Safety.

## Major achievements claimed

(i) The Institute conducts training programmes, seminars and workshops at national and international levels. The Institute undertakes various training programmes for the trade union workers, organised and unorganised labour in rural and urban areas including child labour, women labour, agricultural labour. It



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also undertakes training of the labour judiciary, officers of the Labour Commissionerate, and of other departments employing labour in large numbers and public enterprises, to provide them exposure to labour laws, labour welfare, and labour relations etc. However, the Institute has its thrust on unorganised Labour and rural Labour. The objective is to promote their institutions and organisations so as to enable them to unite and to reach the benefits of various welfare programmes, and to equip them with the required knowledge, appropriate skills and the right attitude to ameliorate their working conditions.

(ii) The Institute conducts a 9-month Post Graduate Diploma in Labour Studies, and a Diploma in Industrial Safety.

(iii) The Institute has also been appointed as a Nodal Agency for Gujarat State under the National Renewal Fund. Under the National Renewal Fund, the Institute has taken up the task of retraining and rehabilitation of workers rendered redundant due to closure of textile mills in the state of Gujarat. The Institute also conducts basic training in Computers for adult sons/ daughters of the redundant workers of texttile mills, as the adult sons/daughters are not eligible for assistance under the National Renewal Fund.

**Name and Designation of Senior Researchers**

- Dr. S. S. Mehta, Professor Economics
- Dr. B. B. Patel, Professor Economics
- Dr. Indira Hirway, Professor Economics
- Dr. Vidyut Joshi, Professor Behavioural Sciences
- Dr. Indra Sen Singh, Associate Professor Behavioural Sciences



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# GANDHIAN INSTITUTE OF STUDIES

**Address:**
Gandhian Institute of Studies,
Post Box No. 1116, Rajghat,
Varanasi-221 001.

**Background**

Status of the SIRO : Social Science Research Institution

Year of establishment : 1960

Major objectives:

(i) To help in the development of knowledge regarding human and social evolution leading to the growth of a balanced human life and world human relationship based on love and co-operation.

(ii) To help in the application of this knowledge to the development of Indian Society; and for purpose: to study the problems of Indian and National Plans and activities of development; and to keep in intimate touch with areas in the country where intensive constructive work be in progress;

(iii) To keep in touch with persons and organisations all over the world engaged in kindred activities and experiments and collaborate with them in evolving a world social order based on Truth and Non-violence;

(iv) To the above ends to carry on both fundamental and applied study and research in the fields; Science and self knowledge; Philosophy; Econoics; Political Science; Sociology; Education; and Psychology;

(v) To train research and/or constructive work in these and allied subjects;

(vi) To undertake, aid, promote and coordinate research in the subjects; and problems related to objects of the Institute;

(vii) To establish, maintain and manage workshop, institutions and organisations, to do research and to award scholarships and fellowships to students and scholars;

(viii) To prepare, print and publish papers or periodicals in furtherance of the objects of the Institute and to contribute to periodicals;

(ix) To purchase, take on lease or otherwise acquire land or building wherever situated in or outside India which may be necessary for the Institute;

(x) To accept and take any grants, gifts, donations, loans and subscriptions whether in cash or securities and of any property, movable or immoveable in furtherance of the objects of the Institute;

(xi) To invest the funds of, or moneys entrusted to the Institute or acquired by it in such securities and in such manner as may, from time to time be dete mined by the Board of Management;

(xii) To establish provident fund for the benefit o the staff of the Institute or any portion thereof;

(xiii) To do all such other lawful things as are conducive or incidental to the attainment of the objectives of the Institute, including sale, management, exchange, mortgage, demise, transfer of all sorts of properties of the Institute.

Major research areas :

(i) Gandhian thought and philosophy;

(ii) Science and Technology—Search for Swadeshi Vigyan;

(iii) Ecology and Environment;

(iv) Studies relating to Panchayati Raj, Agrarian relations and Rural Development; and



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(v) Studies on Weaker Sections with emphasis on women and scheduled castes.

(vi) Studies relating to development process; democratic decentralisation, electoral process, micro level village studies, social tension and violence, marginal/landless peasants, scheduled castes, tribes, child labour, non-agricultural labourers and marginalised people.

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Grants received | 28.20 | 33.52 | 28.50 |
| Other income | 2.04 | 2.66 | 2.51 |
| *Expenditure on R & D* | | | |
| • Capital: | 1.22 | Nil | Nil |
| • Recurring: | 32.88 | 36.23 | 28.36 |

**Infrastructural facilities:**

Land & Building : Value : Rs. 14.55 Lakhs (1994-95)

*Equipment facilities* : Gross Value Rs. 16.63 Lakhs

List of equipment : The Institute is equipped with facilities such as micro-film reader, Public Address system, xerox Machine, etc.

R & D manpower:

| | *Qualification* | *Full time* | *Part time* |
|---|---|---|---|
| Social Science and others | Doctorates | 16 | — |
| | Post Graduates | 5 | 1 |
| | Graduates | 3 | — |
| | others | 20 | — |

Library

The Institute Library has a collection of Books numbering 20825 with emphasis on recent publications. During the period under report as many as 193 volumes of books were accessioned. The Library subscribes to a total number of 129 journals (84 Indian and 45 foreign). Apart from books and journals about 76 items relating to the reports, moonographs, reprints, seminar reports, documentation lists, etc. were Received.

The Library maintains files of news clippings on different subjects for research purposes. A special feature of the Library is that it has a good collection of books by and on Gandhi. In addition it has complete sets of following:

1. Collected works of Mahatma Gandhi (100 Volumes)
2. Reprints of Young India (13 volumes)
3. Reprints of Harijan (19 Volumes)

**Major achievements claimed**

(i) During the year 1992-93 the academic programmes of the Institute largely focussed on: Gandhian thought and philosophy; Science and Technology—Search for Swadeshi Vigyan; Ecology and Environment; Studies relating to Panchayati Raj, Agrarian relations and Rural Development; and Studies on Weaker Sections with emphasis on Women and Scheduled Castes.



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(ii) A 3-week Training Course on Research Methodology was organised by the Institute w.e.f. February 1—21, 1993, sponsored by the Indian Council of Social Science Research, New Delhi.

(iii) The year 1993-94 saw the ongoing fundamental researches in the areas of Gandhian Thought and Philosophy being carried further. Besides, researches in social sciences were also carried out in the light of a basic Gandhian perspective. Special attention was accorded to studies on Women, Environment and Gram swaraj. Recent issues like ethnic and social conflicts and communal tensions and violence against weaker sections and women received special attention in the empirical studies of the Institute. Studies relating to Gram swaraj and Panchayats in the light of the recent 73rd and 74th Amendments were undertaken. The aspects of Agrarian Relations and Rural Development were taken up at the grass root level. Studies were also carried out in the various indigenous traditions of science and technology.

(iv) During the year 1994-95 both fundamental and empirical researches were carried out. The topics of research included subjects like Mahatma Gandhi and alternative development, indigenous sciences and technology and agrarian relations, Panchayati Raj, decentralization and rural development. Studies relating to electoral reforms, development of women and child and ethnic issues were also undertaken.

Keeping in view the main research focus of the Institute, the members of the faculty have submitted a number of research proposals, both empirical and action oriented, for sponsorship to various fundding agencies. As many as 16 research proposals are in the pipeline.

- Publication :

The Institute published its two bi-annual journals, GANDHIAN PERSPECTIVES (English) and GNAHDI VICHAR (Hindi) which included papers mostly in the areas of social scicnes and humanities with an accent on Gandhian thought and philosophy besides, reporting of the findings of researches done in the Institute and the papers presented at the Seminars/ Workshops and Conferences organized under the auspices of the Institute.

- Book Reviews: 12
- Monographs: 14
- Research Papers/Articles Published : 48
- Seminars/Workshop/Conference held at the Institute : 3
- Participation in Seminars/Conferences/Workshops & Lectures Delivered : 50
- Lectures Delivered Distinguished Visitors : 12

**Name and Designation of Senior Researchers**

- Prof. Ranjee Singh, Director
- Ms. Kusum Lata, Professor
- Dr. B.P. Pandey, Sr. Reader
- Dr. V.R. Dutta, Reader
- Dr. Shao Swarath Singh, Reader



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# INDIA HERITAGE RESEARCH FOUNDATION (IHRF)

**Address:**
207/7, Kirshna Nagar,
Safdarjung Enclave,
New Delhi-110 029.

**Background**

Status of the SIRO : It was registered as a Public Trust at New Delhi on 1st June, 1989, under Registration No. 3595/4.

Year of establishment 1987.

Major objectives : To preserve, protect and propagate authentic knowledge among people everywhere on India's glorious cultural and spiritual heritage. With this in view, it has planned to bring out a series of original research publications, the most important of which is an 18-volume Encyclopedia of Hinduism.

Initial recognition by DSIR : January, 1995.

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 10.72 | 5.30 | 34.68 |
| Other income | 0.52 | 2.68 | 10.55 |
| *Expenditure on R & D* | | | |
| • Capital: | 0.23 | 0.29 | 1.13 |
| • Recurring: | 5.54 | 4.53 | 0.96 |

**Infrastructural facilities:**

Land & Building : Area: Approximately 2500 sq. ft. rented office premises at Shaktipeeth, Near Qutub Minar, Mehrauli, New Delhi-110 030.

Equipment facilities : Gross Value : Rs. 2.03 lakhs

List of equipment. : Computers, Printer, Photocopier etc.

R & D Manpower:

Social Sciences & Others : 12

Library facilities : A well equipped Library of Reference Books on India's History and Civilisation, Art and Archeology, Religions, Culture and Spirituality is available for the benefit of Research Scholars.

**Major achievements claimed:**

- Technologies developed and transferred for upscaling/ commercialisation : Software for the database systems of the Encyclopedia of Hinduism.
- Technologies developed and ready for upscaling : Software for the compilation, collation and classification of data under 11 broad areas, their editing, printing and



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simultaneous publication in 18 volumes.

- Research Papers/Report Published : Out of 10,000 original research articles planned for the Encyclopedia, nearly 1,000 have been received, edited and got ready for being fed on the computer.
- Seminars/Conferences attended/organised : During the past 3 years the Foundation has organised 16 Seminars, Conferences and Workshop for the benefit of the nearly 500 scholars engaged in the Encyclopedia of Hinduism Project.
- Any other : The work on the Encyclopedia has made considerable progress and the Foundation is quite confident that all the eighteen volumes will be published simultaneously in 1998 as originally envisaged.

**Name and Designation of five Senior Researchers :**

- Padmashri Dr. Vidya Niwas Mishra, Editor-in-Charge (former Vice-Chancellor, Kashi Vidyapeeth, Varanasi)
- Padmashri Dr. Shyam Singh Shashi, Associate Editor (former Director General, Publications, Govt. of India, Delhi)
- Dr. P.K. Sundaram, Associate Editor (Retd. Professor of Philosophy, University of Madras, Madras)
- Dr. M.K. Dhavalikar, Associate Editor (former Director, Deccan College, Pune)
- Dr. Kalidas Joshi, Associate Editor (Retd. Professor of Yoga, Sagar University, Sagar)



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# INDIAN COUNCIL FOR RESEARCH ON INTERNATIONAL ECONOMIC RELATIONS

**Address:**
East Court, 4th Floor,
Indiaa habitat Centre,
Lodi Road, New Delhi-110 003.

**Background** : The Indian Council for Research on International Economic Relations (ICRIER) was registered under the Societies Registration Act, 1860 in August 18, 1981. The Founding Members who framed its original charter, have been the leading economists and eminent opinion makers in India and abroad. The Board of Governors which overseas ICRIER's activities includes distinguished policy makers.

The Council is now well established, both nationally and internationally, as an autonomous, non-governmental organisation in the areas of international economics, interaction, development cooperation and macro policies. The impact on evaluation of policy has been recognized in India as well as abroad.

Initial recogniton by DISR 1988

**Income and R&D expenditure:**

(Rs. in lakhs)

| *Income* | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations Received | 119.47 | 372.62 | 17.05 |
| Grants Received | 88.46 | 113.54 | 23.25 |
| Other Income | 11.03 | 5.89 | 49.66 |
| *Expenditure on R&D* | | | |
| • Capital | 67.40 | 58.63 | 46.36 |
| • Recurring | 91.76 | 135.20 | 67.32 |

**Infrastructural facilities:**

ICRIER had acquired 904 sq. metrs. built-up space at India Habitat Centre, Lodi Road, New Delhi on a payment of Rs. 2.15 crores. The Council has obtained modern equipments like 486 SX Dell Computers, HP Lazer Printer, NEC Dot-matrix Printers, E-mail, Fax, Xerox Machines and Electronic Typewriters. In addition to this. direct telephone connections to all senior personnel and other staff members have been provided through EPABX board.

R & D Manpower:

| | *Qualification* | *Full Time* | *Part Time* |
|---|---|---|---|
| Economist/Senior Researchers | Doctorates | 5 | 7 |
| Junior Researchers | Post graduate | 10 | Nil |

Documentation Centre-Cum-Library : Documentation Centre-cum-Library provide services by way of (i) News Papers clippings; (ii) Monthly current awarness bulletins; (iii) Major Macroeconomic Variables (Monthly Movements).



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These facilities are extensively utilized by in-house scholars, external professionals and by students in their work for M/Phil/Ph.D. thesis. A summary of books, periodicals, monographs, serials, Newsletters, and basic papers listed in accession registers and Cardex system as on March 31, 1995 is given below.

| Books | Monographs | Periodicals | Serials |
|---|---|---|---|
| 2100 | 21,000 | 70 | 5,000 |

**Major achievements claimed:**

: ICRIER's research programmes during the year covered a vast spectrum: macroeconomic issues, country-specific and region-specific studies and topics related specifically to India's economy, including particularly industry and trade. Nine projects were completed during the course of the year, namely :

- Competitive Position of Indian Textiles and Clothing Industry in an Open Trade Regime;
- EC and India in the 1990s: Towards Corporate synergy;
- Foreign Direct Investment in ASEAN Countries: Relevant Lessons for India;
- Economic Reforms in Hungary, Poland and Czechoslovakia and Impact of Reforms on Trade with India;
- Role of Development Assistance in Economic Relations: India, Japan, Germany and EC;
- South Asia as a Dynamic Partner: Prospects for the Future;
- On Improving the Effectiveness and Efficiency of the financial System in India;
- Macro-Economic Policy for Growth and Stabilisation: External Linkages;
- Performance of Export and Trading Houses.

- Four research Projects were completed during the year 1993-94:
  - Economic Policy Reform and Foreign Direct Investment



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- Developing Country Debt with Special Reference to India
- Post Uruguay Round Scenario
- Capital Markets in India—The Primary and Secondary Security Markets, Developments during 1992 and Recommendations for Future.

- The projects completed during the year are 1994-95 :
  - Indo-US Trade and Economic Cooperation : Optimising Relations;
  - Foreign Direct investment and Technology Transfer : Comparative Study of Brazil, Mexico and India in Three Industries (Automobiles, Informatics and Biotechnology);
  - Economic Policy Reform and Foreign Direct Investment;
  - China's Special Economic Zones;
  - Economic Relations between India and GCC Countries : Issues in Financial Cooperation;
  - Handicrafts Exports : Global Trends and Future Prospects;
  - Public Sector Reforms & Restructuring Options;
  - Developing Country Debt with Special Reference to India

- : Under the networking programme the following MOUs were signed between ICRIER and:
  - School of Oriental and African Studies, University of London
  - West Virginia University, USA
  - Sakura Research Institute, Japan
  - Tata Energy Research Institute, New Delhi

- Seminar/workshop : ICRIER organised 16 seminars/ workshops
- Publication : Brought out 12 Books and 4 monographs



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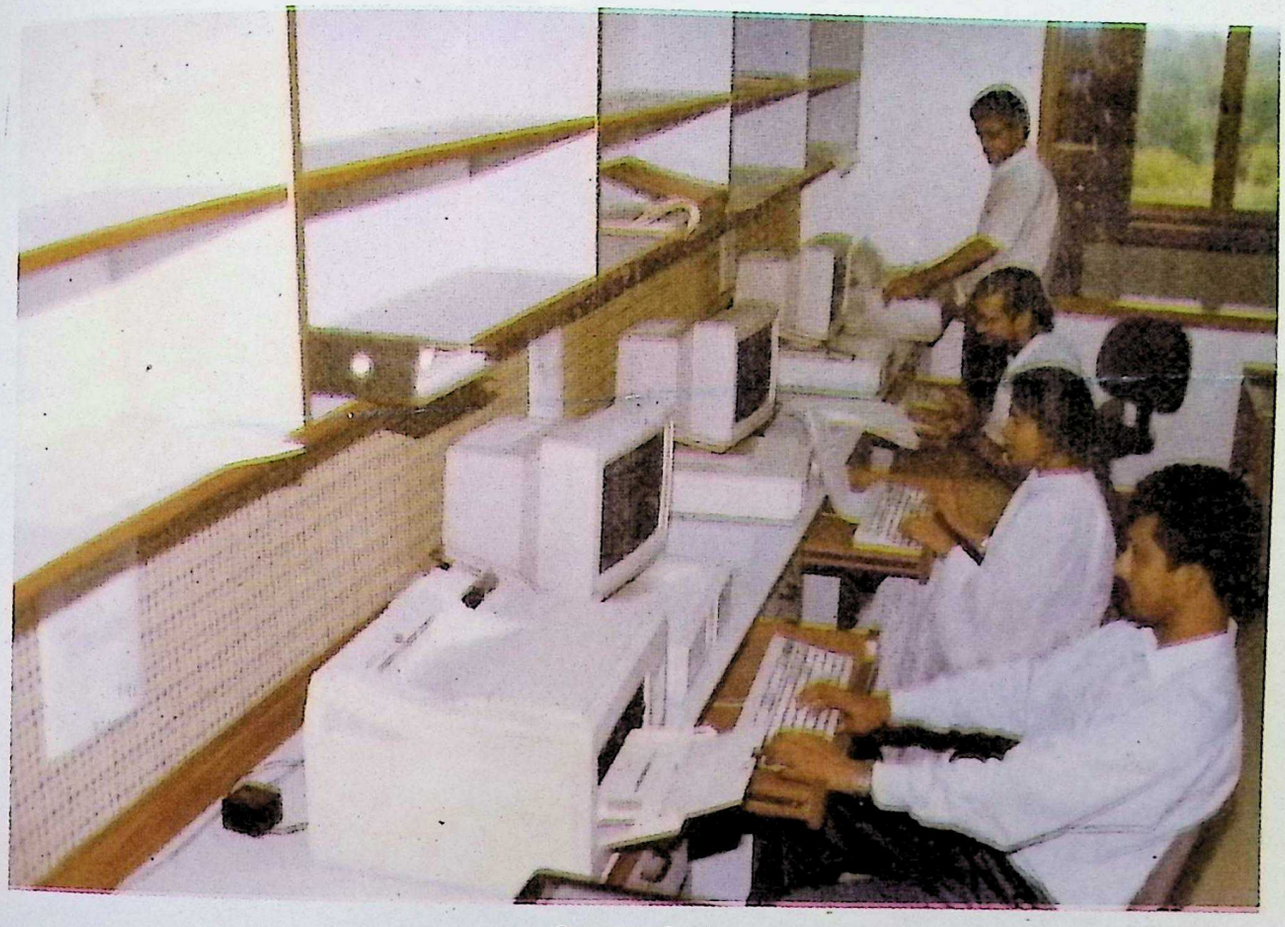
**Name of five Senior Researchers:**

- Dr. S. P. Gupta,
- Dr. Nirupam Bajpai
- Dr. R. L. Chawla
- Mr. A. C. Tiwari
- Ms. Nisha Taneja



Computer Centre



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# INDIAN INSTITUTE OF EDUCATION

**Address:**
128/2, Karve Road, Kothrud,
Pune-411 029.

**Background**

Status of the SIRO : Post-graduate Research Institute doing research in social sciences affiliated to Poona University and aided by Indian Council of Social Science Research, New Delhi, and Govt. of Maharashtra.

Year of the establishment : 1948 (Revival in 1976)

Major objectives :

i) To conduct research in education and especially in relationship between education & society and education & development;
ii) To conduct advanced level training programmes, especially for M.Phil/ Ph.D. degrees in education with an emphasis on social science inputs;
iii) To carry on research (including action-research) and extension work in relation to various educational problems within and outside the formal educational system, including general education of the masses through social action;
iv) To conduct journals and to publish books in English, Hindi, Marathi and other India languages with a view to promoting the study of education among workers within the educational system as well as among the general public;
v) To arrange conferences, seminars, workshops and lectures on educational and related problems;
vi) To undertake, promote and assist experimentation and innovations in education and development;
vii) To establish Centres to carry out the purpose of the Institute in different parts of the country;
viii) To provide consultancy and guidance to Governments, institutions and individuals for the development of education;
ix) To develop international contacts and collaborative arrangements for the study of comparative education especially in the developing countries and to collect information about innovations and experiments in the field of education and development from other countries so as to disseminate the information to interested organisations and individuals in India;



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x) To cooperate with other organisations and centres for furtherance of education and development on mutually beneficial terms to carry out the objecties of the Institute;

xi) Generally to work both within and without the system to make education a better instrument of social transformation, to link it more meaningfully with development and the life, ends and aspirations of the people, to promote science education and cultivation of a scientific temper, and to spread education among the underprivileges groups with a view to helping their emancipation and creating greater equality of educational opportunity.

xii) To develop the resources of the Institute for making it self-reliance and autonomous in order to carry out its aims and objects with due independence and objectivity.

Major research areas : Education and development. Approach is Interdisciplinary, with emphasis on social sciences.

Initial recognition as SIRO : 5th February, 1976

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| *Income* | | 1992-93 | 1993-94 |
|---|---|---|---|
| Donations received | : | — | — |
| Grants received | : | 112.37 | 120.00 |
| Other income | : | 25.68 | 27.40 |
| *Expenditure on R & D* | | | |
| • Capital | : | 49.64 | 80.70 |
| • Recurring | : | 40.63 | 39.29 |

**Infrastructural facilities:**

Land & Building : Value : Rs. 151.23 lakhs

Equipment facilities : Gross Value :Rs. 70.68 lakhs

*List of equipments* :

Computers, Audio-Video equipment, V.C.R.'s, Phtocopiers, etc.

Library facilities : i) Institute has its own library with approximately 26000 books, Reports and Publications.

ii) Education Research Journals:

i) Inland—95

ii) Foreign—22



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**Major achievements claimed:**

- Tecnologies developed and transferred for upscaling/ commercialisation : (i) The Vidnyan Ashram Pabal, one of the centres of the Institute, has developed a MECHBULL' under the Project of development and commercialisation of farm equipments which replace all bullock work and which is now offered for sale for half the price of the power tiller.
  (ii) The Laboratory for TBSU of the National Programme on improved Chulhas (NPIC) located at CASTFORD, a centre of the Institute, has been recognised by the Bureau of Indian Standards for testing of samples under BIS (ISI) certification mark scheme.
  (iii) Govt. of Maharashtra has accepted the Vidynan Ashram Rural Technology Model for extension to secondary schools in all Districts of Maharashtra.
- Research Papers Reports/Published : 40 Publications/research papers were presented/published during last three years.
- Seminars/Conferences organise : 33 seminars/workshops & 35 training programmes were arranged by the Institute and its centres during last 3 years.
- Awards won : UNESCO's Raja Roy Singh Award for Non Formal Education in April 1992.

**Name and Designation of Senior Researchers**

- Prof. Chitra Naik, Hon. Professor
- Dr. S. S. Kalbag, Hon. Director, Vidnyan Ashram, Pabal
- Dr. A. D. Karve, Director, CASTFORD
- Dr. V. S. Deshpande, Profesor, & Director, Centre for Educational Studies.
- Dr. Mukund Mahajan, Professor and Hon. Director, State Resource Centre.



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# INDIAN INSTITUTE OF MANAGEMENT

**Address:**
Vastapur,
Ahmedabad-380 015.

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Institution |
| Year of the establishment | : | 1962 |
| Major research objectives | : | Conducting research in the areas of Management of Agriculture, Health, Education, Industry, Energy; Computers, Production, Marketing, Finance, Economics, etc. |
| Initial recognition as SIRO | : | 1962 |

## Income and R & D Expenditure:

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | 3.30 | 5.60 | 2.66 |
| Grants received | : | 299.43 | 385.57 | 391.20 |
| Other income | : | 127.00 | 100.17 | 75.00 |
| *Expenditure on R & D* | | | | |
| • Recurring | : | 139.90 | 147.56 | 160.24 |

## Infrastructural facilities:

| | | |
|---|---|---|
| Land & Building | : | |
| Area | | 95.00 acres |
| Value | | 1053.63 |
| Equipment facilities | : | Rs. 771.31 Lakhs |
| *List of equipments* | : | Computers |

R & D Manpower

| | Qualification | Full time |
|---|---|---|
| Social Sciences & Others | | |
| | Doctorates | 74 |
| | Doctorates/Post Graduates | 53 |

Library facilities : Management Library with good collection on Social Sciences, Agriculture, Computer Science, Operations Research, Subscription to about 600 internationally important jounals. Library has 1,32,431 books and subscribers to 588 periodicals. Total volumes are 1.60 lakhs Computer Based Search & Retrieval Services are provided from locally developed databased on journals and books.



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**Major achievements claimed :**

Research at IIMA is aimed not only at working towards developing managerial solutions through case-oriented investigations to serve the needs of management teaching and training, but also generating policy and institutional alternatives largely through application-oriented studies. The Institute's 74 faculty members spend one third time on research and case writing. Being a management Institute, interdisciplinary research dominates the pursuits. It implies that not only different faculty members work together but even the single faculty-oriented studies are guided by interdisciplinary focus.

The impact of research in four areas, viz. pedagogy, policy, performance and principles or philosophy of knowledge is worth mentioning. In the case of pedagogy, the Institute has developed different kinds of outputs including simulations, softwares, management games and exercises. The Institute has developed more than 2,750 cases and teaching notes.

With regard to policy, a lot of research has been carried out for various entities, including the Government of India, State Governments, and local authorities.

Research has also been extensive on performance of projects, organizations, associations, technological enterprises and entrepreneurial concerns. Finally, there have been important works in certain key theoretical fields.

The Institute's thrust areas in the 90s includes:

i) International Management

ii) Stratetic Sectors

iii) Industry Studies and Public Policy and Public Systems

The Institute has 74 faculty members in the following Areas/Groups/ Centres:

(i) Entrepreneurship Group

(i) Industrial Policy Management Group

(iii) International Management Group

(iv) Ravi Matthai Centre for Educational Innovation

(v) Centre for Management in Agriculture

(vi) Computer and Information Systems Group

(vii) Public Systems Group

(viii) Business Policy Area

(ix) Economic Area

(x) Finance and Accounting Area

(xi) Marketing Area

(xii) Organizational Behaviour Area

(xiii) Personnel an Industrial Relations Area

(xiv) Production and Quantitative Methods Area

In addition, 53 research staff and 55 doctoral students, who also pursue the Institute's research agenda.



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# INDIAN INSTITUTE OF PSYCHOMETRY

**Address:**
Evergreen Plaza (2nd to 5th Floor)
117, B.T. Road,
Calcutta-700 035.

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | Institute |
| Year of establishment | : | 1978 |
| Major objective | : | Conducting research in areas of psychological and educational measurements |
| Major research area | : | Test Development (objective type) in Congnitive and Non-congnitive areas; Conduct Survey and Market Research. |
| Initial recognition | : | 1982 by ICSSR; |

## Income and R & D expenditure:

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Grants received | : | — | — | 1.76 |
| Other Income | : | 87.00 | 111.00 | 52.43 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 2.00 | 4.00 | 3.77 |
| • Recurring | : | 66.00 | 100.00 | 54.95 |

## Infrastructural facilities

| | | |
|---|---|---|
| Land & Building | : | Land area: 2 acres; Building area; 10108.48 square feet. Total value: Rs. 42.51 lacs |
| Equipment facilities | : | Gross value: Rs. 48.49 lacs |
| *List of equipment* | : | Computers, Typewriters, Scanner & photocopies. |

R & D Manpower:

| | Qualification | Full Time |
|---|---|---|
| Social Sciences & Others | Doctorates | 4 |
| | Post Graduates | 4 |
| | Graduates | 6 |
| | Others | 12 |

Library facility : Available

## Major achievementc claimed

- Test Developed:

(i) Aptitude Test for
Architecture
Computer
Law
Management



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(ii) Knowledge test for
Physics
Chemistry
Mathematics
Engineering
Medicine

- Research paprs/reports : Published: 7
- Seminar organised : Seminar on Improving Examination System through use of Objective Tests and Computers on 5th-6th February, 1994 at Patna.
- Papers read in Conference and Siminar :
  (i) A study on Training and Education of Mentally handicapped
  —Dr. Lipika De
  Presented at Second West Bengal State Science Congress, held in Calcutta from 28.295 to 2.3.95.
  (ii) Attributes underlying preference and non-preference to Mathematics
  —Smt. Bibi Dutta Roy
  Presented at 82nd Indian Science Congress held at Jadavpur, Calcutta
  (iii) Utilisation of Objective Test in adminission and other examination
  —Dr. Sumati Ray
  Presented at the Seminar on Improving Examintion System through use of Objective Tests and Compute - Patna 1994.
- Awards won : (i) Lipika De has been awarded Ph.D. degree in Applied Psychology from calcutta University. The title of the thesis is 'To study Rehabilitational Potentialities of Educable and Trainable Mentally Retarded Individuals.'
  (ii) Bibi Dutta Roy has been registered for Ph.D. The topic is 'Development and Validation of a scale measuring preference for Mathematics.'

**Name and Designation of five Researchers**

- Dr. Sibabrata Chatterji, Director (Hony.) and Member, Governing Body
- Dr. (Ms.) Manjula Mukerjee, Additional Director (Hony.) and Member, Governing Body
- Dr. (Mrs.) Sumati Ray, Joint Direcor and In-charge, Research and Development
- Dr. (Ms.) Lipika De, Research Officer and In-charge, Library
- Ms. Gouri Chatterji, President, Indian Institute Psychometry



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# INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH

**Address:**
C/o. Manager (Training)
Department of Administration
Reserve Bank of India
2nd Floor, Main Building
Shahid Bhagat Singh Road
Bombay-400 001.

**Background**

Status of the SIRO : The Indira Gandhi Institute of Development Research is an advanced research institute established in 1987 in Bombay by the Reserve Bank of India for the study of national and global issues relating to economic development.

It is registered as an autonomous society under the Societies Registration Act and is governed by a Governing Council of distinguished academicians in the country.

Major objectives :
(i) To promote and conduct research on development from a broad inter-disciplinary perspective.
(ii) To serve as a centre for promoting co-operative endeavour and interaction between research scholars and institutions in India and abroad.
(iii) To undertake any other projct or activity which may be usefully carried out by the Institute for the furtherance of development and social welfare.

Major research areas : Energy, environment, food and agricultural policy, poverty and HRD, macro policy, money and finance, and industry.

Initial recognition by DSIR : September, 1994

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Grants Received | : | 140.00 | 150.00 | 250.00 |
| Other income | : | — | 40.75 | 8.31 |
| *Expenditure on R&D* | : | | | |
| • Capital | : | 15.39 | 19.66 | 72.19 |
| • Recurring | : | 165.42 | 158.92 | 201.62 |

**Infrastructural facilities :** The Institute being an advanced research institution, the entire expenditure of the Institute is considered as expenditure towards research.

Land & Building : Total area of the campus - 14 acres. The cost of construction of the campus in 1987 was about Rs. 9 crores.

Equipment facilities : Computer Centre having equipments worth Rs. 50 lakhs. The computer facilities consist of two Digital Alpha AXP systems - DEC 3000 model 6005 and DEC 3000 LX with OSF/1 as operating system running FORTRAN, C, DXML, FORTRAN 90, PVM and LSF in a high performance UNIX cluster.



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R & D Manpower : 35

Social Sciences : All the facility members have Ph.D. degrees in areas such as Economics, Engineering, Operations Research, Physics and Environmental Engineering.

Library facilities : The library of the Institute is rapidly building up to be one of the leading professional research and reference libraries in the country. It uses a sophisticated library package for storage and retrieval of bibliographic information with respect to documents held in its collection. It subscribes to over 400 national and international journals and has over 22,000 documents in its collection. The library has established contacts with over 100 national and international organisations for exchange of the Institute's publications. In addition, it has established inte library loan with several libraries across the country.

- Research papers/Reports Published : Books - 19
  Articles (RPs) - 158
  Discussion Papers - 99

- Seminars/Conferences attended/organised : Institute organised 14 national and 4 international seminars/conferences/ workshops on various areas of research interest to the Institute during 1992-95.

**Name and Designation of five Senior Researchers :**

- Dr. Kirit S. Parikh , Director
- Dr.(Mrs.) Jyoti Parikh, Sr. Professor
- Dr. Raghbendra Jha, Professor
- Dr. .H. Suryanarayana, Associate Professor
- Dr. Veena Mishra, Associate Professor



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# INSTITUTE FOR FINANCIAL MANAGEMENT AND RESEARCH

**Address:**
30, Kothari Road,
Nungambakkam,
Madras-600 034.

## Background

Status of the SIRO : Society under Societies Registration Act of 1860.

Year of establishment : 1970

Major objective :

(i) Impart Training in Financial Management and related areas for executives from corporate Sector Government Undertakings and Departments.

(ii) Conduct Academic Education programmes such as Postgraduate Diploma in Financial Management and Ph.D. Programme affiliated to University of Madras.

(iii) Condut and Promote Research in many areas of 'Finance' and selected areas of Industrial Economics.

(iv) Organise Seminars, Workshops in Current as well as long-term subjects of interest and national relevance.

(v) Bring out Publications.

Major research area : Economics, Industrial Economics and broad areas of finance such as Corporate Finance, Public Finance, International Finance and Capital Markets.

## Income and R & D expenditure:

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | 117.93 | 118.83 | 442.00 |
| Grants received | : | 1.00 | 1.25 | 1.30 |
| Other Income | : | 122.41 | 117.58 | 165.21 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 21.72 | 25.28 | 9.30 |
| • Recurring | : | 94.10 | 101.75 | 119.30 |

## Infrastructural facilities

| Land & Building | | Area | Value |
|---|---|---|---|
| Land | : | 55,200 Sq. ft. | Rs. 4.59 Lakhs |
| Building | : | 16,350 Sq. ft. | Rs. 45.41 Lakhs |
| Equipment facilities | : | Gross Value : | Rs. 91.55 Lakhs |
| *List of equipment* | : | Computers & Printers | |



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R & D Manpower:

| | | |
|---|---|---|
| Social Sciences & others | Doctorates | 5 |
| | P.G.D.G.A./A.I.C.W.A. | 5 |
| | Post Graduates | 1 |

**Major achievementc claimed**

Major achievements claimed
in the following research areas :

(i) Inter-firm Comparative Study on Fertilizer Industry.

(ii) Capital Restructuring in Public Sector Enterprises.

(iii) Development of Trade Weighted Exchange Rate Mechanism.

**Name of five Researchers**

- Dr. Ramaswamy P. Aiyar
- Prof. D.S. Hanumantha Rao
- Prof. S. Srinivasan
- Dr. H.K. Pradhan
- Prof. S. Mohan Kumar



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# INSTITUTE FOR STUDIES IN INDUSTRIAL DEVELOPMENT

**Address:**
D11/2, 11PA Campus,
I.P. Estate,
New Delhi-110 002.

## Background

Status of the SIRO : The Institute for Studies in Industrial Development (ISID), is a society registered in Delhi during October 1986, under Societies' Registration Act, XXI of 1860 and is an autonomous research institution affiliated to Indian Council of Social Science Research (ICSSR), Ministry of Human Resource Development.

Major objectives : To undertake, promote and co-ordinate research in the area of industrial development and to build and maintain research infrastructure and databases on Indian economy.

Major research areas :
(i) Structure and growth of industrialisation in India;
(ii) India's external trade and tariff protection;
(iii) transnational corporations;
(iv) public and private corporate sectors;
(v) processes involved in technology absorption, Indigenous development, R&D and patents; and maintaining databases.

## Income and R & D expenditure:

*(Rs. in lakhs)*

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Grants received | 36.11 | 33.11 | 23.41 |
| Other income | 0.62 | 8.20 | 1.85 |
| *Expenditure on R & D* | | | |
| • Capital: | 5.38 | 1.38 | 3.86 |
| • Recurring: | 28.36 | 26.34 | 28.16 |

## Infrastructural facilities:

Land & Building : Temporary buildings: The Institute expects allotment of land by the DDA in West of JNU area.

Equipment facilities : Gross Value : Rs. 47.02 lakhs

R & D Manpower:

| | | |
|---|---|---|
| Social Sciences & Others | Doctorates | — |
| | Post Graduates | 10 |

Library facilities : The library has a total collection of 20,000 books, reports, documents and

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reference material primarily in the area of industrial economics, corporate sector and related fields. The collection includes the Bombay Stock Exchange Official Directory; publications of the Department of Company Affairs; Dun & Bradstreet's Who Owns Whom; Jane's Major Companies of Europe, New Palgrave Dictionary of Economics, etc. Recently the Institute has procured the Twenty Volume series UN Library of Transnational Corporations.

The library also houses prospectus of companies numbering more than 6,000 issued at the time of public issue. The library has a LAN terminal for local use and also for accessing the on-line reference and other databases of the information system.

**Major achievements claimed :**

- New Techniques/methodologies developed & implemented:

(i) On-line Index (OLI) of Journals : The On-Line Index (OLI) generated by the Institute covers more than fifty five Indian social science and financial journals and business magazines. A software package, developed in-house, enables search of relevant articles on the basis of either the author or any string in the titles. Scholars, both Indian and foreign, are availing OLI service through INTERNET and RENNIC.

(ii) Monitoring of the Indian Press : The ISID monitors 15 national English daily papers around nearly 100 subjects. The major newsitems, editorials and signed articles are indexed on the computer system. The actual clippings are retained in subject files. The clippings index is available on INTERNET and NICNET.

- Research papers/Reports : 12
- Published
- Seminars/Conferences attended/organised : The following Seminars/Workshops/ Lectures were organised:

1. All party meeting on Rio conference on environment to discuss What is at Stake for India at UNCED April 22, 1992
2. Political Economy of Structural Reforms in India, January 1, 1993.
3. "A Strategy for Newly Industrialising Economies: The



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case of Sri Lanka", January 15, 1993.

4. Five day workshop on Agricultural Policies in the New Economic Environment, between September 6-10, 1993, sponsored by Food and Agriculture Organisation, Rome.

**Name and Designation of five Senior Researchers:**

- Dr. S.K. Goyal, Professor
- Dr. T.K. Majumdar, Professor
- Shri K.S. Chalapati Rao, Associate Professor
- Shri M.R. Murthy, Asstt. Professor
- Dr. K.V.K. Ranganathan, Asstt. Professor



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# INSTITUTE FOR TECHNO ECONOMIC STUDIES

**Address:**
76, Harrington Road,
Chetpet, Madras-600 031
Tamil Nadu.

**Background:**

Status of the SIRO : Society Registered.

Year of establishment : 1970

Major research areas : Rural Development; Agricultural Economics, Area Studies; Regional Surveys; Housing and Employment; Water Needs and Management; Rural Energy Needs; Village Industries and Handicrafts; Fisheries and Co-operation.

**Income and R & D expenditure:**

(Rs. in Lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* | | | |
| Grants Received | 2.00 | 2.00 | 2.00 |
| Other Income | 0.40 | 3.30. | 3.30 |
| *Expenditure on R&D* | 2.60 | 5.40 | 5.60 |

**Infrastructure facilities:**

Equipment facilities : Rs. 4.00 Lakhs

*List of equipments* : Computers & Photocopier Machine.

R & D Manpower :

| | | | |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 2 | 2 |
| Social Science & Others | Post Graduates | 3 | 2 |

Library Facilities : Available

**Major achievements claimed**

i) The studies completed by the Institue cover a wide range of Economic activities such as Agriculture, Animal Husbandry and Dairying, Cottage, Medium and Small Industries, Marketing of Agricultural Produce, Water Management, Housing, Urban Development and Taxation. Cost-Benefit Analysis an devaluation of projects, estimation of potential for growth in select spheres of the National/State Economy, Survey Research and Feasibility Studies have also been done. Totally 46 Studies have been completed up to the end of the year 1994-95.

ii) One Study was completed during the year. The thems of the study was "Direct and !ndirect Employment Arising from Externally Aided Projects" of Urban Developmen in Tamil Nadu. It was sponsored by the Project Management Group of the Tamil Nadu Urban Development Project on a total fee of Rs. 2.25 lakhs. The study covered twelve schemes in all, selected from the three components of urban development, namely, Slum Improvement, Sites and Services Development and Transport Management at four from each. Total expenditure incurred was Rs. 3.12 lakhs.

iii) The Institute has published 46 Research papers/Report and attended/organised 21 Seminars.





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**Name and Designation of five Senior Researchers:**

- Sri K.R. Venkatesan, I.F.S. (Retd), Forestry Consultant.
- Dr. H.K. Lakshman Rao, Management Consultant.
- Sri S. Dharmalinam, Director (Projects).
- Dr. S. Chinnamani, I.F.S. (Retd), Agro-Forestry Consultant.
- Prof. A. Joseph Jeyapaul, Econometrics Consultant.



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# INSTITUTE OF BANKING PERSONNEL SELECTION

**Address:**
Paper Box House,
Mahakali Caves Road,
Andheri (E), Bombay-400 093.

**Background :**

Year of establishment : 1984

Major research areas : (i) Conducting research in the areas of Personnel Selection, Psychometry, Fairness in Scientific tests, Simulation Exercises, Job Analysis, Performance Appraisal, etc.

Initial recognition by DSIR : May, 1984

**Income and R & D expenditure :**

(Rs in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | | | | |
| Other income (Surplus of IBPS) | : | 16.32 | 76.86 | 15.93 |
| *Expenditure on R & D* | | | | |
| • Recurring | : | 12.49 | 10.27 | 10.30 |

**Infrastructural facilities :**

Land & Building : IBPS does not have its own premises and hence acquired land on making part payment for constructuion of its own building.

Equipment facilities : Gross Value : Rs. 222.42 lakhs

List of equipment :

The Institute is equipped with facilities such as oppical mark reader, Computers, Computer Printers, Printing Machines, etc.

R & D Manpower :

Scientific & Technical : 14 (Full time)

**Major achievements claimed :**

- New Techniques/ Methodologies developed and implemented : Computarised OMR Technology used for valuation of answer-papers of objective tests developed & used.
- Patents Filed : 2
- Seminars/Confernces attended/organised : 2



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**Name of Senior Researchers :**

- Shri R. K. Chaudhury
- Dr. A.M. Dolke
- Dr. M.L. Dutt
- Dr. A.K. Konar
- Dr. V.V. Gavraskar



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# INSTITUTE OF MARKETING & MANAGEMENT

**Address:**
62-F, Sujan Singh Park,
New Delhi-110 003.

Status of the SIRO : IMM is a non-profit, professional autonomous, memebrship body registered on August 14, 1969 under the Societies Act, 1960.

Major objectives :

i) To stimulate and promote thought and effort towards development of education, training and research in the field of Marketing and Management by providing appropriate forum for exchange of knowledge, experience and ideas of sound marketing and management prices, including lectures, conferences, round tables, symposia, seminars, demonstrations, visits and conducting research studies:

ii) To provide opportunities and facilities for developing course of instructions in Marketing and Management, and to diffuse useful knowledge in allied subjects as also organizing students, educationists, professionals, businessmen, industrialists and Government officials participation therein;

iii) To print and publish books, booklets, pamphlets, circular papers, periodicals and other publications so as to advance knowledge in scientific marketing and management and not for profit;

iv) To promote and conduct or to assist in promoting and conducting a school of marketing and management and holding professional examinations and conferring professional degrees, diplomas and certificates;

v) To establish and maintain libraries and reading rooms having books, papers and periodicals on marketing and management and related subjects;

vi) To promote and maintain effective liaison with all organisations interested in marketing and management in in India and abroad;

vii) To do all such other lawful things as the Institute may think incidental or conducive to the attaining of the objectives of the Institute or any of them. However, none of these engagements shall be for profit; and so on.

Major research areas : Marketing and Management and other allied subjects of economics and other social and physical sciences.

Initial recognition by DSIR: April 1980



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**Income and R&D expenditure:**

(Rs. in Lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received (Research Projects) | 0.42 | 0.96 | 1.66 |
| Grants Received: | Nil | Nil | 1,06 |
| Other Income: | 46.66 | 50.02 | under audit |
| *Expenditure on R&D* | | | |
| • Capial: | 6.08 | 4.21 | |
| • Recurring: | 7.43 | 7.42 | |

Infrastructural facilities :

Land & Building : Area : Plot measuring 3034.62 sq. mtr. (0.75 acre) at 20/2 Special Institutional Aera, South of IIT.

: Building at Plot No. 160 Sunlight.Colony-II

Equipment facilities : Gross Value 9.47 lakhs

List of sophisticated equipment

- Airconditioned Computer Centre: TVSe, Sterling, Fujitsu, Wipro
- Teaching Aids/Audio-visual equipments

R & D Manpower :

| | *Qualification* | *Full Time* | *Part Time* |
|---|---|---|---|
| Scientific & Technical | Doctorates/Post-Graduates | 2 | 3 |
| Social Sciences & Others | -do- | 15 | 5 |

Library facilities : Journals subscribed: 30 Nos.; Bound volumes/ books 3,250 Nos.

Patents field : Marketing & Management

- Research papers/ Reports Published :
  i) Backgrounder for 22nd World Marketing & Management Congress
  ii) Cooperation with North America, Jan. 4-7, 1995
- Seminars/Conferences organised :
  i) State-wise Seminars on Foreign Investments, Industrial Development and Export Potential in Cooperation with West Bengl in July 1994; Kerala in Aug. 94; Assam in April 1995.
  ii) 22nd World Conference on Marketing & Management Cooperation with North America: Jan 4-7, 1995.
  iii) National Conference on Marketing Update: Aug 12, 1994
  iv) Conference on Marketing, Advertising & PR Education: An Update: Jan. 25-28, 1995
  v) Annual Declamation Contest on the theme: SHOULD EDUCATION BE JOB ORIENTED?: Feb. 4, 1995.
- Any other : i) Published following Directories/Souvenir besides regular monthly "Marketing & Management News".





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Souvenir-cum-Classified Director on 25th Anniversary Conference "Marketing Update" 1995IMM Year Book on Marketing & Management Cooperation with North America.

1995 Director of Students for suitable positions in all Sectors.

ii) — IMM (India) and IMM (South Africa) join hands.

iii) Recognition by Association of Management Development Institutions in South Asia (AMDISA); INTERMAN OF ILO (Geneva); Asia Pacific Marketing Federation (Japan).

**Name of Senior Researchers:**

- Dr. Jagjit Singh
- Dr. Gulab G. Mewani
- Sri Michel Ashfield
- Shri Mrs) Veena Adlakha
- Padamshri Homi J.H. Taleyarkhar



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# JAIN VISHWA BHARATI

**Address:**
P.O. Ladnun
Dist. Nagaur-341 306.

**Background:**

Status of the SIRO : Jain Vishva Bharati, Ladnun is a registered Institute, registered under Societies Act. 1958.

Year of establishment : 1970

Major objectives : Training in Jainology, oriental learning, Human welfare, Sadhana (meditation) and research in the area of Social Sciences.

Major research areas : Conducting research in the area of: Social Sciences (Research and Training in attitudinal & behavioural transformation)

Initial recognition by DSIR : 1982

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 74.86 | 99.09 | 112.02 |
| Grants received | — | — | 0.75 |
| Other income | 31.20 | 36.40 | 33.35 |
| *Expenditure on R & D* | | | |
| • Capital | 17.12 | 26.73 | 77.01 |
| • Recurring | 89.54 | 100.60 | 95.20 |

**Infrastructural facilities**

Land & Building : Area : 140 Bighas (Approx.)
(Value) : Rs. 251.37 Lakhs.

Equipment facilities : Gross Value : Rs. 8.00 Lakhs

*List of equipment* :

8-Channel Polywrite
Computerised Spirometer
Digital Spectrophotometer
Colorimeter
Microscopes
Incubator
Centrifuge Machine

R & D Manpower

| | Qualification | Full Time | Part Time |
|---|---|---|---|
| Scientific & Technical | Doctrate | 1 | — |
| | Post Graduates | 1 | 1 |
| Social Sciences & Others | Doctrate | 1 | — |
| | Post Graduates | — | 1 |



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Library facilities:

Departmental library equipped with PC and Photocopier. Library has become depository for major Institution & Agencies. The total number of Collection is 61458 consisting of 20267 books, 29382 Reports and 11809 other documents.

**Major achievements claimed**

- Technologies developed and transferred for upscaling/ commercialisation:

  The technique of stress management has been evolved and developed in terms of Preksha Meditation. It is being used at commercial level in different metropolitan cities and many other places in India and aborad.

- Technologies developed and ready for upscaling:

  i) New technique for measuring anxiety and stress has been evolved and is being undertaken for trial and human subjects in different stressful conditions.

  ii) A new device has been developed to measure the biochemical changes taking place in different stressful conditions and the beneficial effect of Preksha-Yoga, both in short term practice and in regular practitioner of Preksha-Yoga.

  iii) Few capsule training techniques have been designed and are ready to upscale to promote the combine of physical, mental and emotional health.

- New techniques/methodologies developed and implemented:

  A new methodology has been evolved and is being implemented in the institutes research laboratory to study the effect of Preksha-Yoga and science of living on human health. It includes:

  EEG-Apha Index

  Sleep Indes

  Biochemical islimation of B.Sugar, total lipid protile, Blood lactic Acid and plasma cortisol.

  Ergonomics

  Biofeedback regulation of EMG, GSR and Pulse.

  long functions through Spirometry.

- Research Papers/Reports published : 6

- Seminars/conferences attended/organised:

  Seminar/conferences attended : 3

  Training Camps/workshop organised : 12

  Twelve training camp-cum-workshops were organised (each of 10 days duration) to impart the training of various techniques evolved and to be implemented in the institute.

**Name and Designation of five Researchers**

- Dr. Usha Sachdeva, Professor
- Dr. C.L. Talesara, Professor
- Dr. R. K. Ojha, Professor
- Dr. J.P.N. Mishra, Asstt. Professor
- Dr. Bimal K. Chhajor, Asstt. Professor.





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# JHANA PRABODHINI SAMSHODHAN SANSTHA (JPSS)

**Address:**
Jhana Prabodhini Bhavan,
510, Sadashir Peth,
Pune-411 030.

## Background

Status of the SIRO : Institution

Major objectives : To identify and nurture human abilities, to develop essential tools and training programs, to trace the source material in ancient Indian Culture, promoting research on Ayurvedic medicines and its application for improving living conditions.

Major research areas :
(i) Psychological measurement
(ii) Methods of developing human abilities, e.g. Reading Ability, Creativity, etc.
(iii) The effect of man-environment interaction
(iv) Identification and follow-up of the figted students
(v) Whole Brain Thinking, Behavioural Intelligence
(vi) Leadership Behaviour
(vii) Evolving programmes for training in thinking skills, for school children
(viii) Historical survey of the Earthquake
(ix) Ayurved from Garud Puran
(x) Turung Chikitsa (Horse diseases and remedies)
(xi) Assessment of Sookshma Aushadhi in various diseases, e.g. Ak,a-Pitta, Sndhivata, etc.
(xii) Derivation of low cost, effective and pallatable Ayurvedic medicines
(xiii) Integrated Therapy

Initial recognition by DSIR : March 1978

**Income and R & D expenditure :**

*(Rs. in lakhs)*

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donation received | 7.10 | 5.90 | 9.90 |
| Grants received | 1.24 | 1.39 | 1.07 |
| Other income | 4.00 | 4.66 | 5.55 |
| *Expenditure on R&D* | | | |
| • Capital | 0.15 | 0.77 | 0.48 |
| • Recurring | 11.73 | 11.83 | 15.59 |



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**Infrastructural facilities**

Land and Building : Area—3,770 sq. ft.
Value—Rs. 5.70 lakhs

Equipment facilities : Gross Value: Rs. 1.75 lakhs

*List of equipment:*

- Overhead Projector;
- Reading Rate Controller;
- Epidiascope;
- IBM-PC/XT (386) Computer (with 80 column printer);
- Methodex Calculator (with printer);
- Tritorating Machine;
- Tablet Making Machine

R & D Manpower

| | Qualifications | Full Time | Part Time |
|---|---|---|---|
| Scientific & Technical | Doctorates | 4 | 5 |
| | Double Graduates | 5 | 12 |
| | Graduates | 2 | 3 |
| | Under Graduates | 3 | 1 |

Library facilities

| | |
|---|---|
| Total Books | 6,500 |
| Manuscropts | 600 |
| Journals | 15 |

**Major achievements claimed:**

- Training Programmes developed and implemented: Leadership Enhancement, Stress Management, Anxiety Management, Intellectual Enhancement of pre-primary and primary students.

  Course developed and implemented in: School Psychology, Parent's Psychology, Ayurved: Basics, Sanskrit Pathan

- Research Papers, Research Reports, Tests, Test Manuals and Test Reports Published:

- Research Papers and Research Reports = 39

- Tests, Test Manuals and Test Reorts = 6

- Seminars/Conferences organised : A National Seminar on IQ Controversy: January, 1988

  Nature and Nurture of Interllgence: January, 1993 (at the occasion of First Indian Mensa Meet (IM)$^2$

  Identification and Nurture of Intelligence: January, 1994 (8th Conference of Marathi Manas-Shastra Parishad).

  Seminar on Sookshma Aushadhi. (Prasar-Prachar Samshodhan) February, 1995.



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**Name and Designation of Senior Researchers**

- Dr. Smt. Usha Khire, Professor and Head, JPIP
- Dr. Swarnalata Bhishikar Reader
- Dr. Vanita Patwardhan, Lecturer
- Mr. Yashwantrao Lele, Head, Santrika
- Vaidya Shriprasad Bavadekar, Head, Ayurved Samshodhika



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# KARVE INSTITUTE OF SOCIAL SERVICE

**Address:**
Hillside, 18-A, Karve Nagar,
Pune-411 052.

**Background**

Status of the SIRO : Institution recognised as P.G. Centre for M.S.W. degree by Pune University in Aug. 1976.

Year of the establishment : November, 1963

Major objectives :
i) Train, prepare and conduct training for social welfare functionaries at various levels Social issues.
ii) Undertake research in Social issues.
iii) Offer consultancy for developing projects in social work and/or Social Development.
iv) Offer various social service projcts based on the needs reflected in the society.

Major research areas : Social work, social issues e.g. Health, including AIDS prevention education, Women, Family counselling, children non formal education.

Initial recognition by DSIR : April, 1990

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | | | | |
| Donations Received | : | 0.03 | 0.15 | 0.08 |
| Grants Received | : | 12.95 | 18.45 | 15.85 |
| Other income | : | 7.20 | 5.28 | 8.64 |
| *Expenditure on R & D* | | | | |
| • Capital | : | 2.09 | 1.48 | 3.24 |
| • Recurring | : | 20.12 | 22.30 | 21.93 |

**Infrastructural facilities:**

Land & Building : Area 30 Acres (aprox.)
3 buildings

Equipment facilities : Gross Value :Rs. 3.00 lakhs

*List of equipments* :

Computer & Printing, Zerox Machine, Slide Projector.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post Graduates | 2 | — |
| Social Sciences & Others | | — | 2 |
| Fellowship | | 1 | — |



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Library facilities : Documentation, Paper clippings, Subject Artical indexing, Research Journals & Yearly bound volumes Books-11000

**Major achievements claimed:**

- New Techniques Developed & implemented :

The Institute has been actively involved in Social Development Projects and has implemented projects C-DATS for enpowerment of economically weak sections mainly womens for offering vocational skills as also developing entreprenuership abilities. During 1994-95 about 100 women were trained.

- Research Papers/Reports Published : 5
- Seminars/Conferences attended/organised :
  - Attended (1994-95):4
  - Organised at Karve Institute of Social Service:

i) Workshop on working with children of chemically dependent parents.

ii) Family in the Inderdisciplinery perspective.

iii) Workshop of "Suicide Prevention" and "Holistic mode in social work practice.

iv) AIDS/HIV patients and counselling medicos".



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# KRISHNAMURTI FOUNDATION INDIA

**Address:**
64-65, Greenways Road,
Madras-600 028.

**Background :**

Status of the SIRO : Association Regd. under Societies Registration Act XXI of 1860.

Initial recognition by DSIR : 1988

**Income and R & D expenditure :**

(Rs. in lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* | | | |
| Donations received : | 0.50 | 1.00 | 2.20 |
| Other Income | 0.25 | 0.41 | 0.44 |
| *Expenditure on R&D* | | | |
| • Capital | 0.16 | 0.047 | Nil |
| • Recurring | 0.76 | 0.80 | 0.58 |

**Infrastructural facilities :**

Equipment facilities : Gross value: Rs. 0.51 Lakhs.

*List of equipment*

Computer with Printers, Stabilisers, Tape recorders, etc.

R & D Manpower:

| | Qualification | Full Time | Part Time |
|---|---|---|---|
| Social Sciences & others. | Ph.D. | — | 1 |
| | Postgraduates | 1 | — |
| | Graduates | 1 | — |
| | Others | — | ·5 |

**Major achievements claimed:**

- Major achievement of the Foundation are

*I. Ecological restoration*

Over the last 15 years a project of afforestation and water conservation has been undertaken in the environs of the Rishi Valley School of the Krishnamurti Foundation India in Chittoor Dt. (Andhra Pradesh) in a rural area. The results have been remarkable, resulting in restoration of the ecological balance of the area and the yield of food crops has increased. The restoration of the green cover has led to the return of many birds which had been absent from Rishi Valley for a number of decades. This has enabled the school to bring out a book entitled "Birds of Rishi Valley" This book has received appreciative reviews in the press and also by the President, Ornithological Society of India.

*II. Rural Education.*

Rishi Valley School has been involved in the life of the rural population in the surrounding villages in many ways. One has been to develop rural education programme.

An Education kit has been developed which is designed for maximum effectiveness in the typical one-room village schools that serve most of



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India's largely rural population. It enables "barefoot teachers" to bring first-generation learners upto Grade Five with a dramatically reduced drop-out rate. The course covers language, mathematics and environmental studies combined with conservation work to benefit the loal community. The Education kit is relevant for broad applications in the rural context, including situations where qualified and experienced teachers are not available. It can be used by"barefoot teachers" as well as by more experienced educators. It can be used in formal as well as non-formal schools. The text is up-to date, focussed on the local context and illustrated by local artists. Interwoven into the materials are values that nurture the sense of beauty, encourage tolerance for other cultures and promote regeneration of the environment. Attractive materials enhance student interest and raise the level of achievement.

The Kit is easy for teachers to use, because it renders each step of learning maximally concrete and facilitates a "hands on" approach for both students and teachers. This also makes for more efficient teacher training and lower training costs. Evaluation procedures are provided to help teachers identify and remedy gaps in learning. This gives both student and teacher a sense of accomplishment to relieve the widespread sense of failure that has been demoralising rural children. The Rishi Valley School offers students a positive learning experience through attractive design and extended use of puppetry, mime and humour in the local idiom.

The Kit has been tested in practice with first-generation learners in fifteen "Satellite schools" where students regularly clear the Grade Five state examination in four years. Also it has weathered rigorous external testing Prototypes have been used in workshops conducted for educational administrators in both Governmen tand N.G.O. educational groups from all over Andhra Pradesh. They have been examined by the Central Ministry for Human Resources, by the Secretary of Education for Andhra Pradesh, by Action Aid, UNICEF and by officials of Central and State Councils for Educational Research. A recent evaluation conducted by the Education Department of the Andhra State Government demonstrated that novice teachers with three weeks of training were able to bring their students from zero to grade one level in eight weeks, with an average success rate of 90% in two districts.

Rishi Valley School has carefully worked out an interface with the Andhra Pradesh State Board curriculum, so that students finishing our programme may gain entry into State schools at Grade VI to continue their education. Experience has shown that students from our programme can make this transition smoothly.

"SCHOOL IN A BOX" a comprehensive kit for Telugu language teaching (Rishi Valley Education series No. 3 published in 1995) is a publication which describes this project and makes available high quality rural education programme at low cost in South India.

'Our Tribal Heritage' traces the path the human race has travelled from its origin in Africa through the old and new stone ages to the beginnings of settled life. Besides providing in-depth case studies of tribal cultures that have entered the 20th Century (like the hunter gatherers in teh Andamans, the swidden agriculture of the Baigas of Madhya Pradesh and the shephers of the Deccan), the book introduces students to basic concepts such as culture and its relation with technology and geography. At the Centre of the book is the theme that human beings are part of nature, dependent on the earth's varied resources for survival.



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*IV. Area Study.*

When the boundary between school and society dissolves, an enormous amount of learning is possible. This book is an account of the experience of a class of students and teachers who studied an area of their City. Mylapore in Madras is an ancient settlement struggling to retain its ethos in a rapidly urbanizing milieu.

For parents, teachers and schools, this book offers an insight into interesting educational structures, experiences and possibilities. It is an approach to wider issues which arise from, and go beyond, area studies.

The Mylapore study was a challenge which teachers set for themselves, spontaneously. It was possible for Class VIII to work on a different schedule for six weeks while the rest of the school ran on the usual schedule. It was possible for Class VIII to carry on with all their Maths. at school while doing completely diverse things during other times in school and out of it. It was like discovering a hidden pattern in something and inflexible. The atmosphere in the school was conducive to this exploration but it needed the concreted energy of many teachers. In engaging with this challenge teachers, discovered fresh energies and relationships, and the school vibrant possibilities.

**Name and Designation of Senior Researchers:**

- Dr. Radhika Herzberger, Director, Rishi Valley Education Centre.
- Miss Ahalya Chari, Retd. Professor of Education NCERT
- Smt. Saraswati Dalal, Former teacher, Rishi Valley School.
- Dr. Shailesh Shirali, Principal, Rishi Valley School K.F.I.





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# LALBHAI DALPATBHAI BHARTIYA SANSKRIT VIDYAMANDIR

**Address:**
Lalbhai Dalpatbhai Institute of Indology, Near Gujarat University, Ahmedabad- 380 009.

## Background

Status of the SIRO : Research Institute
(Recognised by the Gujarat University)

Year of establishment : 1956

Major objectives :

(i) undertake research on all subjects broadly falling under Indology, including languages, literature, history, philosophy (including Jain, Buddhist, and Vadio philosophies), sociology, religion, astrology, astronomy, archaeology, Indian medicines, science and technology, environment, and other verious aspects of Indian History and Culture.

(ii) Acquire and preserve books, manuscript and antiquities etc. related to the subjects mentioned above and also every other act which may be necessary and advisable for the safe custody of such a cultural heritage.

(iii) For furtherance of research in all the subjects mentioned in (i) above and other objects of this Institute to lend the materials mentioned in (ii) above to individuals and Institutions on suitable conditions.

(vi) For furthereance of research and other objects of the Institute, to invite and accept the services of suitable persons on suitable terms to act as directors, superintendents, guides, teachers, gurus, shastries and to make arrange ments for housing and maintaining them.

(v) To study, translate, reprint, and publish books, Journals on the subjects mentioned in (i);

(vi) To promote and spread the knowledge acquired by the study and researches on the above subjects.

Initial recognition by DSIR : June, 1994



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**Income and R & D expenditure:**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | | | | |
| Grants Received | : | 10.24 | 6.32 | 7.51 |
| Other Income | : | 4.63 | 6.78 | 5.71 |
| *Expenditure on R&D* | | | | |
| • Capital | : | — | — | 0.20 |
| • Recurring | : | — | — | 7.82 |

**Infrastructural facilities:**

Land & Building : (Area) : 33,000 Sq. yard
Value : 16.13 Lakhs

Equipment facilities : Gross Value : Rs. 2.65 Lakhs

List of equipments :

Reprographic machine, Computer 486, Dot Matrix Printer & Projector.

Library facilities:

| | | |
|---|---|---|
| No. of Books | : | 40,000 Volumes |
| No. of Research Journals subscribed | : | 27 titles |
| No. of Mss. Coll. | : | 75,000 |
| Antiquities | : | 5,000 |

**Major achievements claimed :**

- Publication : *Sambodhi,* Vol. 18 (the research Journal of L.D. Institute of Indology.

*Titles:*

- Monograph & Books :
  (i) *Suvarna Raupya Siddhi*
  (ii) *Mallinatha Cariyam*
  (iii) *Padmaprabha Cariyam*
  (iv) *Jain Samat Jnana Charcha*
  (v) *Haribhadriya Astaka,* Trans.
  (vi) *Kavya Kalpalata Parimal Makranda Tika*

R & D Manpower:

Social Sciences & others : 5

**Name of Senior Researchers :**

- Dr. S. K. Andhare
- Shri Lalit Kumar
- Dr. Varsha Jani
- Dr. Saloni Joshi
- Dr. Parul Mankad



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# MADRAS INSTITUTE OF DEVELOPMENT STUDIES

**Address:**
79, Second Main Road,
Gandhi Nagar Adyar,
Madras-600 020.

## Background

Status of the SIRO : Institution

Year of establishment : 1970

Major objectives :

i) To organised, promote and executive programme of social science research with discipline-based, or multi-and-interdisciplinary approaches, for furthering National and State Development;

ii) To develop Instructional Materials in the Social Sciences for use by the Universities and other Institutions of Higher Education;

iii) To provide a net work, along with the University system and other Research Institutions for the promotion of social science research at the micro and macro levels and in particular, to provide a meeting ground for social scientists of the Southern Universities;

iv) To train and guide scholars in M.Phil and Ph.D courses in Social Sciences;

v) To organise and co-operative with other Institutions in the Organisation of Seminars, Workshops, Conferences and Meetings dealing with social science matters;

vi) To develop a library and documentation centre in the Social Sciences;

vii) To publish the results of Research, reference works, Text Books, Instructional Materials and Periodicals in the Social Sciences, and

viii) To undertake all other activities to promote Social Science Research.

Major research areas : Social Science Research with emphasise on regional development of Tamil Nadu

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 0.72 | 0.72 | 0.96 |
| Grants Received | 36.10 | 41.95 | 44.54 |
| Other income | 0.85 | 0.99 | 1.20 |
| *Expenditure on R & D* | | | |
| • Recurring | 36.69 | 42.06 | 45.79 |



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| | | |
|---|---|---|
| **Infrastructural facilities** | | |
| Land & Building | : | Total area of land including built in portion — 21,947 sq.ft. built in area — 11,210 sq.ft. Value — 47.50 lakhs |
| Equipment facilities | : | Gross Value : Rs. 7.00 lakhs. |
| List of equipment | : | Computers, Printers, Modern etc. |
| R & D Manpower | | Social Service & Others 19 |
| Library facilities | : | Library Books covering Socio Economic Development mainly. It has as on 31.3.95 — 36,736 Books Journals — 200 nos. Micro Fische Reader — 1 |

**Major achievements claimed**

Apart from its day-to-day academic work, the major activities of the Institute which were initiated in the 1970s were the following:

i) Inter-disciplinary Research Methodology (IDRM) Workshop for encouraging inter-disciplinary research, dialogue, and interaction. The Workshop is usually on specific themes, conducted in different institutions in south India which are willing to host it.

ii) Monthly seminars, conducted usually on the last thursday of every month, for interaction of the institute with the public on current social issues.

iii) Social scientists Meet - a two-day meeting of Heads of Departments of sourth Indian univesities, to discuss the status, problems, scope and content of curriculum, teaching and research.

iv) Ph D Workshop - a three-day Workshop of Ph.D scholars and guides from colleges and universities in Tamil Nadu, drawn from various social science disciplines, to encourage academic interaction between Ph.D scholars and guides, and to improve the quality and coverage of research.

v) Census of Social Science Research on on-going Ph.D programmes and research projects in universities and research institutions in South India, the findings of which are published in the MIDS Bulletin and made available to researchers.

vi) Like other ICSSR institute, MIDS also has a regional focus: its main focus is on Tamil Nadu. However, that does not preclude the faculty from taking up research on other States, and on national and international issues. In fact, the issues and areas of research go well beyond the State.

**Name and Designation of Senior Researchers:**

- Dr. C.T. Kurien, Emeritus Professor
- Dr. A. Vaidyanathan, Emeritus Professor
- Mr. S. Guhan, Emeritus Fellow
- Dr. Nirmal Sengupta, Professor
- Dr. Nasir Tyabji, Professor



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# MADRAS SCHOOL OF ECONOMICS

**Address:**
"Mount View"
110 Mount Road, Guindy
Madras 600 032

Status of the SIRO : Research Institution

Year of establishment : September 1993. Research from 1.4.95

Major objectives :
(i) to offer post-graduate training in economics (M.A.; and Ph.D with course work and thesis);
(ii) to offer refresher courses for college and University teachers;
(iii) to offer refresher courses for college and University teachers;
(iii) to offer training programmes for economic administrators in governments, banks, industry and financial institutions;
(iv) to undertake research projects funded by national and international agencies.

Major research areas :
(i) environmental economics;
(ii) industrial economics;
(iii) international economics;
(iv) capital markets and financial services;
(v) public economics;

initial recognition by DSIR : April, 1994

**Income and R & D expenditure:**

| | (Rs. in Lakhs) |
|---|---|
| *Income* | 1994-95 |
| Donations Received | 82.55 |
| Endowment Fund | 50.00 |

**Infrastructure facilities:**

Land : 3 acres provided on long-term lease by T.N. Government behind Anna University.

Building : A master plan is being prepared for campus development. Now the SIRO is functioning in the Centre for Biotechnology, Anna University, Madras 600 025.

Equipment facilities : Gross Value: 3 Rs. 1.8 lakhs

List of equipment : PC 486 AT and Wipro Printer

R & D Manpower :

| | *Qualification* | *Full Time* | *Part Time* |
|---|---|---|---|
| Social sciences | Doctorate | 3 | 1 |

Library facilities : A library has been set up with books, 35 journals (about 25 foreign), government reports and a data bank.

**Major achievements claimed**

i) New techniques/methodologies are being developed for economic analysis, particularly for estimation of abatement costs and design of economic instruments for pollution control.



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ii) In collaboration with National Institute of Public Finance and Policy, New Delhi, the Madras School of Economics has undertaken a research project on Fiscal Reforms for Sustainable Development. This project is funded by World Resources Institute, Washington.

**Name and Designation of Senior Researchers**

- Dr. Raja J. Chelliah, Chairman
- Dr. U. Sankar, Director
- Dr. P. Nandakumar, Professor
- Dr. G. Mythili, Research Fellow



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# MAHARSHI SANDIPANI RASHTRIYA VEDA VIDYA PRATISHTHANAM

Address:
B-Wing, IInd Floor,
Pradhikaran Bhawan,
Bharatpuri, Ujjain-456 010.

## Background

Status of the SIRO
Year of establishment : The Maharshi Sandipani Rashtriya Veda Vidya Pratishthan was established in January, 1987 by the Ministry of Human Resource Development (Department of Education), as an autonomous educational and research institution.

Major objectives : 1987

(i) Preservation, conservation and development of the oral tradition of Vedic studies;

(ii) Study of the Vedas through Pathashalas as well as through other means and institutions;

(iii) Creation and promotion of research facilities so as to bring out the rich wealth of knowledge contained in the Vedas and to relate it with the contemporary needs; and

(iv) Creation of infrastructural and other conditions for the collection of information and storage of relevant material as also publication and diffusion through various means.

The Pratishthan promptes research in Vedas and Vedic literature at various levels through award of Fellowships and grants to scholars to engage themselves in research projects.

Major research areas :

(i) Studies in various interpretation of the Veda.

(ii) Research in certain specific aspects of the history of the Vedic period; and

(iii) Research aiming at the discovery in the Veda and vedic literature of knowledge and scientific thought pertaining to various Sciences particularly to deciplines of Mathematics, Astronomy, Astrology, Chemistry, Aeronautics, Agriculture, etc. and the relationship of these knowledge with the modern scientific and technological knowledge and contemporary needs and trends.

Initial recognition by DSIR : 1993

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 1.32 | 9.73 | NIL |
| Grants received | 555.00 | 60.00 | 0.65 |
| Other income | 33.54 | 104.25 | 146.53 |
| *Expenditure on R & D* | | | |
| • Recurring: | 4.56 | 6.15 | 11.28 |



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**Infrastructural facilities:**

| | | |
|---|---|---|
| Land | : | 23.6 acre (9.553 Hectors) of land has been allotted free of cost to the Pratishthan by the Government of Madhya Pradesh at Ujjain. Action is in progress for appointment of an Architect and preparation of plans and estimates for construction of Pratishthan's buildings on the land.<br><br>At Present, for housing the headquarters office of the Pratishthan, B-Wing (IInd Floor), Pradikaran Bhawan, Bharatpuri, Ujjain measuring 420.00 sq. mtr. of Super Built Up area has been purchased by the Pratishthan from Ujjain Vikas Pradhikaran. |
| Library facilities | : | The Pratishthan is developing a library of its own. However, the fellows utilise library facilities available in the places where they carry out their research. |
| Seminars/Conferences attended/organised | : | The Pratishthan organised 19 Vedic Sammelans and 7 Seminars during the last 3 years. |

**Name and Designation of five Senior Researchers:**

- Dr. R.K. Mishra, Emeritus Professor
  Department of Biophysics,
  All-India Institute of Medical Sciences,
  New Delhi-110 029
- Prof. R.R. Mukherji, Chancer,
  Rashtriya Sanskrit Vidyapeeth, Tirupati.
- Prof. Vidya Niwas Mishra, Former Chief Editor,
  Navabharat Times, New Delhi.
- Dr. S.K.N. Murthy, Former Director,
  Geological Survey of India, Bangalore.
- Dr. C.R. Swaminathan, Former Deputy Educational Adviser,
  Ministry of Human Resource Development,
  Department of Education,
  New Delhi.



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# MODEL INSTITUE OF EDUCATION RESEARCH

**Address:**
B.C. Road,
Jammu-180 001.
(J&K)

## Background

| | | |
|---|---|---|
| Status of the SIRO | : | MIER is a company Limited by Guarantee. |
| Year of establishment | : | 1936 |
| Major objectives | : | Social Science Education especially Educational Research creativity |
| Major research areas | : | Nature & Nurture Instutional Effectiveness, Distance Education Technology, Examination Reforms, Teacher Effectiveness, Child & Women Educational & Psychological Testing, Teacher Education, Adult Education, Adolescent Behaviour |
| Initial recognition by DSIR | : | January, 1988 |

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| | — | 76.10 | 87.25 |

## Infrastructural facilities

| | | |
|---|---|---|
| Land & Building | : | Value Rs. 32 Lakhs |
| Equipment facilities | : | Gross Value : Rs. 21 Lakhs. |
| List of equipemnt | : | Compter,<br>Overhead Projector,<br>Screens,<br>Stabilizers,<br>Slid Projector, etc. |
| R & D Manpower | | |
| Social Sciences & Others | | 19 |
| Library facilities | : | The Institue has a very rich repository of Research Books, Journals and reference Section on different topic related to Research etc. |

## Major achievements claimed

- Research papers/Reports published

  29 Research papers/Reports already published

- Seminars/Conferences attended/organised : 17

  (i) Lecture by Mr. M.M. Khajuria under distringuished Lecture Series on Terriorism and the role of the Citizen.



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(ii) Seminar organised by the Population Cell of the J&K State Board of School Education & the Population Education Cell (FullDay) of MIER Campus.

(iii) Workshop Full day on Preparation of Teaching aids at MIER CAMPUS.

(iv) Debate on "Education alone can raise the status of Women in Indian Scoiety" held at MIER

(v) Lecture on Creativity Nature & Nurture

(vi) Distinguished Lecture by Prof. Embree on *Sharing Universal Values—Cross Culture

(vii) One week training Programme-cum-Workshop on Environmental Education. Mr. R.K. Chibber Chief Guest on the occasion.

(viii) Workshop on Innovation in increasing productivity in University Administration from 23.6.1993 to 29.6.1993 at Punjab University Chandigarh was attended by Resarch Coordinator on invitiation.

(ix) Workshop on Eradicating illiteracy organised by EMPA was attended by one of Research Staff member.

(x) Director MIER attended the International Conference o Quality of Secondary Education for 21st Century at New Delhi organised by the Council of Boards of Schools Education (COBSE) in 1993 on invitation from COBSE.

(xi) Director & Jt. Director of MIER attended on invitation the XVI World Conference of International Council of distance Education at Bangkok (Thailand).

(xii) One day Seminar-cum-Workshop 'Family Issues, Chaning Realtities' held at MIER on 9th March 1994.

(xiii) One day Seminar on 'Heart Beat—the Rhythem of Health' held at MIER on 7th April 1994.

(xiv) One day inter school Symposium on the theme 'Dowry a Curse' organised at MIER in Sept. 1994.

(xv) Seminar on "Facets of Peace" held at MIER inSept. 1994.

(xvi) 15 days Referesher Course under ICDS Programme organised at MIER in Nov. 1994.

(xvii) Week long Training Course on 'Environment' was organised at MIER in Oct-Nov. 1994 in which distinguished Environmentalist, delivered lectures to the participatns on different topics concerning Environment.

**Name and Designation of five Researchers**

- Dr. Arun K. Gupta, Director
- Dr. Renu Arun Jt. Director
- Dr. R. Bindra, Coordinator
- Dr. S.P. Ahluwalia HOD Research Wing
- Dr. Poonam Sharma Research Officer.



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# NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH

Address:
11-Indraprastha Estate,
New Delhi-110 002.

**Background** : Registered Society

Status of SIRO/ Major research area : Research in the field of Applied Economic

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Grants received | 13.00 | 14.27 | 54.17 |
| Other income | 231.50 | 366.97 | 396.59 |
| *Expenditure on R & D* | | | |
| • Capital | 0.50 | 2.54 | 7.56 |
| • Recurring | 244.32 | 327.86 | 375.59 |

**Infrastructural facilities**

Land Area : (56565 sq. ft)

Building Area : (53672 sq. ft)

Value : Rs. 8.54 Lakhs

Equipment facilities : Gross Value: Rs. 114.83 Lakhs

*List of Equipemnt* :

EPD Systems

PABX-Tele-System

Office Equipment (Photocopiers) Typewriters & Fax Etc.)

R & D Manpower

Social Sciences & Others : 97

Library facilities : Departmental library equipped with PC and Photocopier. Library has become depository for major Institution & Agencies. The total number of Collection is 61458 consisting of 20267 books, 29382 Reports and 11809 other documents.

**Major achievements claimed**

- Technologies developed and ready for upscalling/New Techniques/ methodologies developed and implemented:

  i) The Council's research programme areas are in five broad fields. The Macro-Economic Monitoring and Forecasting Area perhaps has to-day more operating economic models than most other research institutions in India. Short and longer term forecasts, quarterly surveys of business expectations and the formulation of a Business Confidence Index, are used by industry, and eagerly awaited by the media and the public. A CGE trade model for India is being developed which is to be integrated with the Michigan inter-country model, as well as with a new trade model for selected Asian countries. Collaborative work with the University of Michigan, ESCAP and some Indian insitutions have greatly added to the



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ability of the Council's researchers, as has the exposure of their work to outstanding scholars.

ii) In Agriculture and Rural Development, the Council's work has made considerable impact on policy making in Inida. The Council's researchers have been active in proposing a fertiliser policy for India. Their work in collaboration with IFPRI on Indian irrigation investments and returns is well recognised. Other collaborative work with ICRISAT, University of Maryland, the World Bank, etc., have also received favourable attention among scholars and others. Specific crop studies (tobacco, jute, sugar, etc.) and a study on the potential for Indian agricultural exports is also mentionable. A study on the implications of the new world trade agreement on edible oils is almost complete. Presently engagement is in studying the threats to and opportunities for Indian agriculture following the new World Trade Agreement.

iii) In the Industry Area, the Council has been working closely with a number of companies in the private sector on automobiles, telecommunications, textiles, paper and cement. Study on protection rates for electronic consumer products has shown that the Indian consumer products do not need the type and levels of protection they have received. What is necessary is to reduce duties on the tradeable intermediates. Household surveys of manufactured consumer goods have received world wide attention among present and prospective investors. Publications analysing some of the data have sold well. Study of illegal trade between Indian and Bangladesh has also been very revealing. The society prepared a report for the ASEAN Secretariat on the opportunities for trade and investment promotion between ASEAN and India, which is now being used as an action document by Indian and ASEAN governments. Work on a project for MITI of Japan, to look at the economic opportunities for cooperation among the SAARC countries and India is also going on. The private sector is now coming to the society for help in respect of their strategic and long-term decisions. However, this has not so far happened with the public sector enterprises. State owned enterprises in Rajasthan are studied for the Rajasthan Government and recommendations made for change to improve performance.

iv) The Society yet another new activity for the Council four years ago. This was to manage industry-oriented programmes on behalf of international agencies. Two such programmes are being managed—

  i) For UNDP to mobilise the expertise of expatriate Indian nationals whose visits to India for upto a period of four weeks who render expert guidance and help resolve specific problems connected with Indian enterprises.

  ii) For the Norwegian Government as the monitoring unit for their large collaborative programme of work between Indian and Norwegian institutions. These two programmes give us considerable connections with, and insight into Indian industry, and a variety of research and training institutins.

v) During the last five years, the Council has developed a new research focus in the field of human development. The NCAER collected national data for two years on household expenditures on health. This has received wide attention and has pointed to gender discrimination, and the poor service from government



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health facilities, especially in rural areas, resulting in far greater reliance on the private services. The Council has also conducted intensive work at the local level to study the quality of health services from Government and also, household health seeking behaviours. Review of the social safety net programmes in India has highlighted the multiplicity of agencies, poor delivery, and lack of an adequate information system. For the last three years the society have been working on a comprehensive study of human development profiles by social groups in India. This was for the Planning Commission and was funded by UNDP.

- Research papers/Reports Published during 1994-95 : Reports-5, Journals-8 Issues, working papers - 7.
- Seminars/Conferences (during 1994-95) organised : 18

**Name and Designation of Researchers**

- Prof. S. L. Rao, Director-General
- Mr. I. Natarajan, Chief Economist
- Dr. S. Bhide, Chief Economist
- Dr. Ashok Gulati, Chief Economist
- Mr. P.K. Krishnaswamy, Registrar & Secretary
- Dr. A. Shariff, Principal Economist
- Mr. Mr. R. Venkatesan, Principal Economist



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# NATIONAL FOUNDATION FOR INDIA

**Address:**
India Habitat Centre,
Zone-4-A, Upper Ground Floor,
Lodi Road, New Delhi-110 003.

**Background:**

Status of the SIRO : Public Charitable Trust

Year of establishment : 1992

Major objectives : The mission that inspires the NFI is one of stimulating and supporting the creative potential of the people through private voluntary effort to participate in the building up of a prosperous, progressive and united India.

The immediate objective is to support a development process that is equitable and sustainable, and one that promotes respect for pluralism and cultural diversity. In addressing these objectives, NFI's programmes focuses selectively on areas of broad national concern such as povery, population, equity, employment, environment and national integration. NFI seeks to support projects which have potential for influencing policy. It looks for innovative ideas to support, the success of which would have substantial demonstration effect in the country and emphasies professionalist in carrying out its operations.

In pursuing specific programmes, NFI lays stress on partnership and networking with voluntary agencies sharing similar concerns.

Major research areas : Woman and Child Development; Public Affairs and Urban Governance; Rural Livelihoods; Conflict Resolution (in the context of use of scarce natural resources); Development Initiatives in the North East

Initial recognition by DSIR : November, 1994

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Grants Received | 39.15 | 31.37 | 71.70 |
| Other Income | 1.00 | 6.18 | 8.54 |
| *Expediture on R&D* | | | |
| • Capital | Nil | 5.93 | 2.02 |
| • Recurring | 2.74 | 1.55 | 8.66 |

**Infrastructural facilities**

Land & Building : Area: 500 sq. metres
Value: Rs. 149.23 Lakhs

Equipment facilties : Gross Value: Rs. 13.17 Lakhs

List of equipment : 6 computers with LAN setup (Local Area Network)



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R & D Manpower:

| | Qualification | Full Time | Part Time |
|---|---|---|---|
| Scientific & Technical Social Sciences & Others | Graduates | — | 1 |
| | Doctorates | — | 1 |
| | Post Graduates | 3 | 1 |
| | Graduates | 1 | — |

Library facilities : It includes over 1000 books, Periodicals, papers, article etc. Besides we have linked up through membership to a number of organisation-(a) Centre for Advancement of Philanthropy and (b) Bio-Tech Consortium.

**Major achievements claimed :**

- Research Papers Published : 5
- Reports Published : 2
- Seminars/Conference organised : 8

(i) rain-stroming session on Micro-Level Planning and Rural Employment, Rune, 3-4 August, 1992
(ii) Workshop on Pune District Development. Plan, Co-sponsored by BAIF Development Research Organisation, Pune, 10-11 November, 1992
(iii) Consultation on the Status of the Girl Child in Southern States, MSSRF, Madras, 15 October, 1993
(iv) Seminar on Science City. Brain-stroming session, MSSRF, Madras, 14 October, 1993
(v) Consultation on the Status of the Girl Child in India. Co-sponsored with Istitute of Development Studies, Jaipur, 18 January, 1994
(vi) National Workshop on Accountability and Decentralisation in Urban Governance, New Delhi, 7 October, 1994
(vii) National Workshop on Accountability in Public Services. Co-sponsored with Public Affairs Centre, Bangalore, 17-18 November, 1994
(viii) North East Workshop on Media and Development. Co-sponsored with CHARKHA. North East and New Delhi, 1994-February, 1995

- **Any Other:**

**NFI launched a Media Fellowship programme to promote effective communication that draws attentio to development concerns, encourages excellence in journalism and facilitates more informed development policy dialogue. The selected Fellows are now embarking on a one-year programme of field action research, which they will publish.**

**Name and Designation of Senior Researchers**

- **Mr. P.B. Krishnaswamy, Executive Director**
- **Dr. Shiva Kumar, Consultant**
- **Ms. Atreyee Cordeiro, Consultant**
- **Sunita Sharma, Programme Associate**
- **Rajeshwari Prakash, Consultant**



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# NATIONAL INSTITUTE OF BANK MANAGEMENT

**Address:**
National Institute of Bank Management
NIBM Post Office,
Kondhwe Khurd,
Pune-411 048.

**Background** : Established in 1969. Engaged in Training, Research, Consultancy

**Income and R & D expenditure**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Grants Received | : | 169.49 | 214.04 | 236.84 |
| Other income | : | 10.99 | 13.28 | 16.96 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 20.81 | 70.04 | 65.77 |
| • Recurring | : | 157.05 | 179.13 | 181.16 |

**Infrastructural facilities:**

| | | |
|---|---|---|
| Land & Building | : | Area : 60 Areas; Value : Rs. 650 Lakhs. |
| Equipment facilities | : | Gross Value : Rs. 400 lakhs |
| R & D Manpower | : | |
| Academic Staff | | 32 |
| Admn. Staff | | 97 |

**Major achievements claimed**

- Research Projects completed:

I. Computers and Systems

(i) Software Development Project: Development of Multimedia Material

(ii) State of Information Technology (IT) in Banking

II. Development Banking

(i) Banking System and the Upliftment of the Scheduled Castes and Scheduled Tribes in India

(ii) A Study on Commercial Banks and Priority Sectors: Experiences of the Initial Two Decades

(iii) Restructuring of the Rural Banking System

III. Finance

(i) Study on Venture Capital Financing in India

(ii) Study on Evolving Risk Weightage Pattern of Assets of Non-Banking Financial Companies

(iii) Study of Credit Policy and Decision Systems in Banks

(iv) Study of Scope and Strategy for Launching Financial Futures Market in India

(v) Funds Management in Banks

(vi) Study of Inspection Function in Banks

(vii) Study of Sick Public Sector Enterprises : Some Issues

(viii) Restructuring of the Banking Industry

(ix) Impact of Capital Adequacy Norms on Lending Policy of Banks



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(x) Study of Pattern of Finances of Few Large Public Sector Enterprises

(xi) Towards Credit Rating : An Analytical Framework

IV. Human Resources Management

(i) Developming Measurement Tools for Potential Appraisal

(ii) Industrial Relations Case Studies

(iii) Human Resource/Industrial Relations in Banking : Retrospects and Prospects

(iv) Managing Human Resource Diversity

(v) Leadership Behavious & Ethics : Study of Managerial Perceptions

(vi) A Study of Circulars on Personnel in Commercial Banks : Critical Analysis of the Underlying Thinking Process

V. Money and International Finance

(i) Macroeconomic Constraints and Structural Adjustment in India : A Comparative Study

(ii) Capital Flight from India : Determinants and Economic Implications

(iii) Study on Non-Resident Deposits

VI. Planning, Control and Marketing

(i) Strategic Responses of Public Sector Banks to Environmental Changes (1992-94)

(ii) Preparation of Cases in Bank Marketing

- Sponsored Research Projects completed:

(i) Study of Customer Preferences for Savings and Deposits with Special Reference to Depositors of State Bank of India

(ii) Indepth Study on the Impact of Agriculture and Rural Debt Relief Scheme 1990 on the Rural Credit System

- Consultancy Projects

(i) Study of Credit Related Problems of Small Scale Industrial Units

(ii) Structure and Systems in Syndicate Bank

(iii) Evaluation of Customer Satisfaction for Bank of Maharashtra

(iv) Systems Study of a Public Sector Bank

(v) Organizational Study of the Citizen Cooperative Bank Limited

(vi) Rehabilitation of a Sick Company

(vii) Consultancy Projects (S M Padwal)

Dena Bank : (i) Shortlisting of EDP Officers; (ii) Shortlisting of Vendors for purshasing PCs, (iii) Total Regional and Branch Level Computerization

Shortlisting of Officers for Posts in EDP Related Centres : Bank of India

Techno-economic Viability Study for Essen Computers : Bank of India

Member, Interview Panel, BSRB Baroda

The Catholic Syrian Bank Ltd.

The Dhanalakshmi Bank Ltd.



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Finalization of Computer System Configuration for Total Branch Computerization for Bank of Maharashtra

(viii) Consultancy Projects : (A K Sen Gupta)

Study on Review for the Government of India System of Recruitment for Officers in Nationalized Banks

Medium Range Plan for a Bank

- Reports & working papers brought out during 1993-94 : Reports:16: working Papers:12
- Seminars/Conferences/Trainings Performances/workshops organised during 1993-94:

**International Programmes**

(i) Programme on Projects Appraisal & Follow-up (National Development Bank, Sri Lanka)

(ii) International Programme on Development Banking

(iii) International Programme on Banking and Finance

**General Management**

(i) NIBM BMP-MEP Almni Association : First Meet & Seminar on Financial Sector Reforms

(ii) Management Education Programme: XXXV

(iii) Bank Management Programme : XV

(iv) Advanced Management Programme

**Computers and Systems**

(i) Programme on Computer Applications in Human Resources Management

(ii) Computer Audit Programme

(iii) Programme on Quantitative Methods in Banking & Methods

**Development Banking**

Conference of Chiefs of Priority Sector Credit

**Finance**

(i) Emerging Issues in Corporate Financing : Implications for Corporate Borrowers & Financial Intermediaries

(ii) Programme on Project Financing & Venture Capital

(iii) Advanced Programme on Credit Management

**Human Resources Management**

(i) Effective Leadership and Management Style

(ii) Programme on Personal Growth

(iii) Conference on Industrial Relations

(iv) Faculty Development Programme

**Money and International Finance**

(i) Forecasting Methods for Banks & Financial Institutions

(ii) Econometric Methods for Bankers

(iii) Programme on Branch Location & Relocation

**Planning, Control and Marketing**

(i) Programme on Financial Reforms & Prudential Norms

(ii) Seminar on Banks Going Public



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(iii) Techniques of Organizational Analysis

**Sponsored/Incompany Training Programmes**

(i) Programme on Merchant Banking for Officers of Syndicate Bank\

(ii) Programme on Financial Management, Project Finance & Use of Computers for IFS Officers

(iii) Management Development Programme for RMs of Punjab & Sind Bank

- Publications : Journals-4; Books & Manographs-85
- Books and Articles Published and Papers & Lases presented by Faculty during 1993-94 : 122

**Name and designation of senior researcher:**

- Shri G.H. Drolalkan, Director



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# NATIONAL INSTITUTE OF PUBLIC FINANCE AND POLICY

**Address:**
18/2, Satsang Vihar Marg,
Special Institutional Area
(Near JNU) New Delhi-110 067.

## Background

Status of the SIRO : Institute
Year of establishment : 1976
Initial recognition by DSIR : January, 1977

## Income and R & D expenditure

(Rs. in Lakhs)

| *Income* | 1992-93 | 1993-94 |
|---|---|---|
| Grants received | 48.85 | 59.74 |
| Other income | 77.71 | 80.64 |
| *Expenditure on R & D* | | |
| • Capital | 6.00 | 7.63 |
| • Recurring | 129.22 | 142.88 |

## Infrastructural facilities

Land & Building : Area: 2034.564 sq. mts.
Equipment facilities : Gross Value : 42.12 Lakhs

## Major achievements claimed

- Research Papers/reports published : 43
- Published Books Monographs : 9

1. State Finances in India Amaresh Bagchi, J. L. Bajaj William A, Byrd (ed.) (1992) Rs. 450.
2. Fiscal Fiscal Policy for the National Capital Region Mahesh C. Purohit C. Sai Kumar, Gopinath Pradhan and O. P. Bohra (1992) Rs. 225.
3. Import Substitution in the Manufacturing Sector, Monograph Series III, Hasheem N. Sa,eek (1992) Rs. 150.
4. Sales Tax Systems in India: A Profile, 1993 Rs. 150.
5. The Ninth Finance Commission: Issues and Recommendations (a Selection of papers) (1993) Rs. 490.
6. Direct Taxes in Selected Countries: A Profile (Vol. III) compiled by K. Kannan and Mamta Shankar (1993) Rs. 80.
7. Inter-State and Intra-State Variations in Economic Development and Standard of Living (Monograph Series IV) (1993) Uma Datta Roy Choudhary Rs. 200.
8. Tax Policy and Planning in Developing Countries Amaresh Bagchi and Nicholas Stern (Ed.) (1994) (Oxford University Press) Rs. 435.
9. Reform of Domestic Trade Taxes in India: Issues and Options Study Team (1994) Rs. 250.


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**Name and Designation of five Senior Researchers**

- Dr. Parthasarathi Shome, Director
- Dr. Om Prakash Mathur, Senior Advisor
- Dr. K. N. Reddy, Senior Fellow
- Dr. Mahesh C. Purohit, Senior Fellow
- Dr. (Mrs.) Indira Rajaraman, Senior Fellow



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# NATIONAL LAW SCHOOL OF INDIA UNIVERSITY

**Address:**
P.B. No. 7201, Nagarbhavi,
Bangalore-560 072.

**Background**

Status of the SIRO : A University for Legal Studies and Research sponsored by the Bar Council of India and established under Karnataka Act 22 of 1986

Year of the establishment : 1987

Major objectives : The objects of the School shall be to advance and disseminate learning and knowledge of law and legal processes and their role in national development, to develop in the student and research scholar a sense of responsibility to serve the society in the field of law by developing skills in regard to advocacy, legal services, legislation, law reforms and the like, to organise lectures, seminars, symposia and conferences, to promote legal knowledge and to make law and legal processes efficient instruments of social development, to hold examinations and confer degrees and other academic distinctions and to do all such things as are incidental, necessary or conductive to the attainment of all or any of the objects of the School.

Major research areas : All aspects of Law

Initial recognition by DSIR : 1989

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | 8.62 | 6.74 | 16.92 |
| Grants received | : | — | 20.76 | 46.95 |
| Other income | : | 70.49 | 53.56 | 62.85 |
| *Expenditure on R & D* | | | | |
| • Capital | : | 66.60 | 21.75 | 91.78 |
| • Recurring | : | 23.36 | 34.25 | 32.87 |

**Infrastructural facilities:**

Land & Building : i) 18 acres of land is available in its Nagarbhavi Campus

ii) The University has building of value Rs. 330 lakhs

Equipment facilities : Rs. 355.00 lakhs

*List of equipments* : The center is equipped with facilities like Photocopier Machines, Computers, Overhead Projector, U/s Systems etc.



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Library facilities : The library at present has 9900 books and 7370 back volumes of Journals and reports. It subscribes for 110 Indian journals & 40 foreign journals.

R & D Manpower

Social Sciences & Others : 24

Library facilities : The library at present has 9900 books and 7370 back volumes of Journals and reports. It subscribes for 110 Indian journals & 40 foreign journals.

**Major achievements claimed** : Having adopted an innovating curriculum, the faculty introduced an effective and purposeful system of teaching and evalùation under a trimester course pattern with continuous evaluation system, ensuring at least 75-80 working days in each of the three terms in a year. The method of teaching involves preparation and supply of carefully selected reading materials to the students in each course before the commencement of the trimester, co-operative teaching with more than one teacher in the class, lecture-cum-discussions and case-study method, project paper in each course besides a placement for two months in a year, starting from second year onwards during which time students will be working in the offices of senior lawyers, law departments, legal aid boards, lègal cells of corporate bodies or NGO's etc. which will give them an insight into the practical aspects of law and its operation at the field level.

At present the University is offering an integrated under-graduate law course (B.A., LL.B. (Hons.) of 5 years' duration, a two-year LL.M., a one year M.Phil. and a research based LL.D. and Ph.D. Degree courses and a 2 year Masters' Degree Programme in Business Laws through correspondence.

Apart from the above degree programmes, the University has also established a "Centre for Women and the Law" a "Centre for Human Rights" and a "Legal Services Clinic" to provide free legal services to the rural poor and the needy which incidentally provides learning facilities to the students at the field level. Several out-reach programmes including holding of continuing Education Workshops,



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Orientation or Refresh Courses for Law Teachers, Lawyers, Judges and Training Programmes for various departmental functionaries and social activists in different aspects of law are conducted every year.

The University also brings out every year its research publications like the National Law School Journal and the March of the Law, the Gender Justice Reporter, Law and Medicine, which are Annual Publications, besides a number of books, monographs and papers on different aspects law and related areas.

Lastly, it may be mentioned that so far, three batches of its Under-graduate students have passed through the University and the University is highly satisfied about their performance in the legal profession, either at the bar or in the law firms or the Corporate sector where they have joined.

Both the profession and the organised sector as well as the community at large have received them well and the University is bracing itself not only to maintain the present level of performance, but also, if possible, to improve on the same.

**Name and Designation of Senior Researchers:**

- Justice Mr. E.S. Venkataramiah, Retd. Chief Justice of India.
- Dr. N.R. Madhava Menon, Director & Professor of Law.
- Dr. N.L. Mitra, Professor of Law.
- Mr. M.P. Padmanabha Pillai, Associate Professor of Law
- Mr. V.S. Mallar, Associate Professor



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# PARSHVANATH VIDYASHRAM RESEARCH INSTITUTE
## (VARANASI OF PUJYA SOHANLAL SMARAK PARSHVANATH SHODH PEETH)

**Address:**
20/6, Mathura Road,
Faridabad-121 006.

**Background :**

| | | |
|---|---|---|
| Status of the SIRO | : | R & D Insitution |
| Year of establishment | : | 1937 |
| Major research areas | : | (i) Jaina Philosophy<br>(ii) Jaina History<br>(iii) Jaina Culture<br>(iv) Jainalogy & Indology |
| Initial recognition by DSIR | : | 1988 |

**Income and R & D expenditure**

(Rs. in Lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations Received | : | 5.73 | 10.82 | 10.8 Lacs |
| Other Income | : | 1.11 | 0.86 | 1.2 |
| *Expenditure on R & D* | | | | |
| • Capital | : | 3.27 | 1.16 | 1.16 |
| • Recurring | : | 5.20 | 6.72 | 6.55 |

**Infrastructural facilities :**

| | | |
|---|---|---|
| Land & Building | : | Area : 4 acres: Value : Rs. 257.00 Lacs |
| Equipment facilities | : | Gross Value : Rs. 9.00 Laks |
| R & D Manpower | : | 18 |
| Library facilities | : | 26,000 Books (Mostly reference) |

**Major achievements claimed :**

| | | |
|---|---|---|
| • Research papers/Reports | : | Under Press - 13 Nos. |
| • Seminars/Conferences attended/organised | : | Presented a paper on "Education in Ancient Jaina Tradition" in a Seminar organised by Gujarat Vidyapeetch, Ahmedabad from March 25 & 28, 1994. |
| • Awards Won | : | During the year 1994 Prof. Sagarmal Jain was awarded, 4 awards of national Level in Jain Studies constituted by different Jaina Organisations. |

**Name and Designation of Senior Researchers :**

- Dr. Sagarmal Jain, Director
- Prof. Surendra Verma, Professor
- Dr. Ashok K. Singh, Sr. lecturer
- Dr. B.N. Sharma, Reader
- Dr. Kamal Jain, Lecturer



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# PEOPLE'S INSTITUTE FOR DEVELOPMENT TRAINING

**Address:**
C1/1414 Vasant Kunj,
New Delhi-110 070.

## Background

Status of the SIRO : A non profit Society Registered under Societies Registration Act XXI of 1860 (Punjab Amendment Act, 1957) as extended to the Union Territory of Delhi.

Year of establishment : 1980

Mojor objectives : The main objective of PIDT is to work for the empowerment of the poor and oppressed and to work towards the formation of a sustainable society based on principles of equity. The main focus is on participatory action research on issues relate to women, environment etc. A special area of research concerns the tribals, who are one of the most disadvantage groups in the country. Training is another strong point of PIDT which gives an opportunity to sensitise various groups of people from govt. officials, bank officials, voluntary organisations and the village folk to the finings of action research. Two basic research directions are that on of the research stems from action and experience at the grassroots to provide reflections on policies and the other is direct experimentation with improved and appropriate technologies to ameliorate the oppressive conditions in society and ecology.

Major research areas : Environment, Poverty, Participatory Methods, Training, Agriculture, Building Technology, Arts and Crafts, Educational Tools and Gender Studies.

Initial recognition by DSIR April, 1989

## Income and R & D expenditure

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Grants Received | : | 59.70 | 12.71 | 32.60 |
| Other income | : | 1.21 | 71.56 | 4.40 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 10.68 | 0.11 | 1.04 |
| • Recurring | : | 1.82 | 2.14 | 1.83 |

## Infrastructural facilities:

Land & Building : Value: 18.14 Lakhs

Equipment facilities : Gross Value: Rs. 3.05 lakhs



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List of equipment

— The Institute is equipped with facilities such as computers, lazer printers, fax machine, etc.

R & D Manpower:

| | | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorates | 1 | — |
| | Post Graduates | 1 | — |
| | Graduates | 1 | — |
| Social Sciences & Others: | Doctorates | 1 | 4 |
| | Post Graduates | 2 | — |

Library facilities

Approximately 10,000 books on various areas of Development Studies. The library is mainly meant for in house research and actien research. However external researchers are welcome to come and utilise the reading facility within the premises.

**Major achievements claimed**

- Technologies developed and ready for upscaling?
  1) Development and Adoption of Blue Green algae in Rice Fields of Madhupur Block, Deoghar District, Bihar.
  2) Innovation in Biological control of Plant Fungus
  3) Collection of local varieties of earthworms and development of vermiculture.
- New Techniques/methodoligies developed and implemented:
  Participatory Processes and Action for adoption of innovations.
- Research papers/reports published: 6
- Seminars/Conferences attended/organised: 14

(i) International Conference on New Economic Policy, Debt Crisis and Structural Adjustment.

(ii) Literacy awareness generation camp.

(iii) REgional Workshop in Environment at Lucknow

(iv) Panchayati Raj Awareness Camp

(v) Awareness training camp on Agro-Forestry

(vi) Workshop on political role of NGOs in Bihar

(vii) Travelling Awareness Generation Camps on Environment in villages

(viii) Awareness generation camps on sustainable Development

(ix) Workshop on Fuelwood Crisis and it's effect on Rural women in Bihar at Jagdishpur in collaboration with Regional Centre of National Afforestation and Development Board, Jadavpore University, Calcutta.

(x) A series of seminar all over Bihar organised with NABARD to train bank officials on the formation of SHGs

(xi) First Seminar and meeting of the International Association of Voluntary Efforts.

(xii) Consultative Meeting for Organisational Development.

(xiii) Workshop for People's Participatory Process and Action for Transformation

(xiv) Design Development Workshop of DWCRA workers



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Attended: 94-95 : 12

- Awards won:

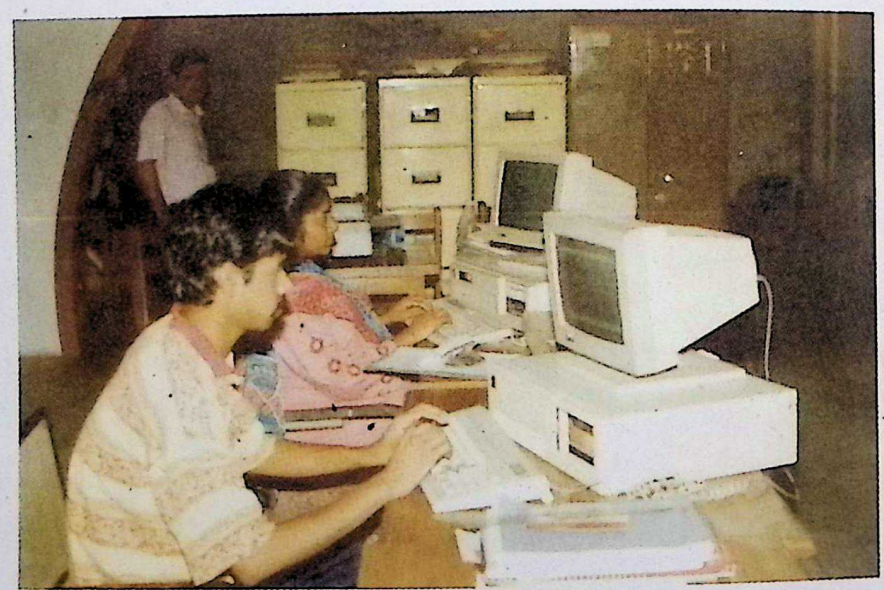
Soil Conservation society of India presented PIDT with an award for it's contribution to soil conservation in this country at a conference in the Indian Agricultural Research Institute (IARI), Pusa Road, New Delhi.

- Any other:

Herbal Medicine - developed and Trials - but not yet ready for upscaling or commecialisation

**Name and Designation of Senior Researchers**

- Prof. Subhachari Dasgupta, Chairman
- Dr. Aparna Dasgupta, Direcot, PDIT Lokshala
- Ms. Cherukuri Indira Dasgupta, Research Co-ordinator
- Mr. Ratna Prakash, Researcher
- Dr. Niraj Mishra, Scientist.





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# RESEARCH FOUNDATION FOR JAINOLOGY

**Address:**
Suzah House
18, Ramanuja Iyer Street
Madras-600 079.

**Background**

Major objectives : The broad aim of the Foundation is to train up young minds to form sound character, learn discipline, eschew violence, speak truth and direct thoughts towards noble ideals and goals and thus contribute towards the end result of emancipation of mankind, making it free from the deadly claws of violence, hatred, terrorism, chaos, tensions and turmoils so rampant today, and to make the world a place worthwhile to live in peace, harmony, amity, tranquility and brotherhood.

**Major achievements claimed:**

i) It was decided to create a new independence Department of Jainology in the University of Madras. This object was attained through collections from the General Public and a sum of Rs. 15,00,000/- was handed over as Endowment Amount to University of Madras for creating a new Department of Jainology.

ii) To enable the students/scholars emerging from the University after obtaining their Certificates, Diplomas and Degrees, to enable them to put into practice what they have learnt in theory in the University and to provide them all facilities for conducting their further researches in an atmosphere of peace and quiet, this Foundation has taken up as its next Project the construction of a Jaina Centre, in the holy and serene atmosphere of Polal, just 13 K.M. from Madras Central Railway Station in the outskirts of Madras City.
Already 6.5 acres of land have been registered and further acres of land costing approximately Rs. Twenty lakhs are planned for purchase.

iii) One of the basic objective of the Foundation is to wean away the youth of our country from the scourge of drug addiction, alcoholis, indiscipline and other evil habits and this will be achieved by training young minds in the early stage itself. In their proposed model, Residential Jain Vidyashram to be constructed in the Jaina Centre Campus.



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The School will have modern instructional facilities including Laboratory with latest and modern scientific equipments. All the literature needed by the School Children and the teachers will also be provided.

iv) Since education in the school will be imparted in a number of languages, translation and other work will also be taken up by the Foundation for the facility of not only the students but also the teaching staff.

Open house debates and elocution competitions will be conducted to bring forth the best out of the students; based on the results of such competitions, researches will be conducted to augment the educational scheme in such a way that it becomes conducive for the all-round development of young right from the early stages, making them worthy citizens of the land one small step in the upliftment of mankind at large.

The Campus in polal will have Service Cell with retired legal luminaries, officials, management professionals etc., in change to cater to all types of social welfare assistance to members of the general public irrespective of caste, creed or religion. This is bound to be a blessing in disguise and a boon to them in view of the enormous delay in disposal of cases by the Courts of Law, Tribunals, etc.



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# SARDAR PATEL INSTITUTE OF ECONOMIC AND SOCIAL RESEARCH

**Address:**
Thaltej Road,
Ahmedabad-380 054
Gujarat

**Background :**

Status of the SIRO : The Institute established in 1965 as a Public Trust as well as a society.

Major objectives :

(i) To undertake, aid, promote & coordinate research in Economic problems and the Social implications of this problems.

(ii) To promote and foster the application of research, discovery and development of methods for beneficial utilisation of national resources and generally economic development of India.

(iii) To analyse and propose solutions of specific problems encountered in the process of planning & development of country.

(iv) Publication of books, reviews, Statistics, other iformation, studies and mongraphs;

(v) To provide facilities and guideance to Ph. D. students and trainees award research fellowships;

(vi) To convey conferences, seminars, workshops, lectures;

(vii) To provide infrastructure facilities of supporting staff and other technical manpower, library, research equipment and building for undertaking research.

Major research areas : Agricultural and industrial economics, regional and international economics, public finance and monetary research, development and planning etc. The Institute has been engaged in work related to theoretical models in the context of the Indian economy as well as econometric and field work studies concerning relevant issues like poverty and levels of living, social forestry and environmental studies and evaluation studies. The primary focus of research work has been economic and social research on Gujarat.

Initial recognition by DSIR : April, 1989



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**Income and R & D expenditure:**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | | | | |
| Grants Received | : | 38.71 | 56.40 | 44.90 |
| Other Income | : | 100.60 | 92.21 | 82.01 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 1.98 | 5.66 | 7.67 |
| • Recurring | : | 87.49 | 102.49 | 135.20 |

**Infrastructural facilities:**

| | |
|---|---|
| Land & Building | |
| Land | 50 acres |
| Buildings | Value 43.47 lakhs |
| Equipment facilities | Value 40.16 lakhs |
| Library facilities | Value 17.44 lakhs |

*List of equipment :*

The Institute is equipped with facilities such as computers, Photo Copier machine etc.

R & D Manpower : 27

**Major achievements** : The Institute is recognised centre of Ph.D. work and the Institute's doctoral students are requistered at the Gujarat University. The Institute organises short term training programmes. Faculty members of the Institute are invited to teach at the Gujarat University, Indian Institute of Management, School of Planning, Sardar Patel Institute of Public Administration etc. They are also being invited on various committees of the Government, Planning Commission, Universities, Reserve Bank of India etc. Faculty members participate at the national and international leel seminars and conferences. Lectures are delivered by visiting scholars and seminars and conferences are also organised at the Institute.

Organising seminars, conferences etc. at the Institute and participation by the research staff of the Institute at regional, national and international level and undertaking programmes for training research scholars etc. are other important facets of the working of the Institute.



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**Name of five Senior Researchers :**

- Dr. Y. K. Alagh
- Dr. R. J. Mody
- Dr. S. P. Kashyap
- Dr. R. G. Nambiar
- Prof. M. S. Trivedi



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# SHRI RAM CENTRE FOR INDUSTRIAL RELATIONS & HUMAN RESOURCES

**Address:**
4E/16,
Jhandewalan Extension
New Delhi-110 055.

**Background:**

Status of the SIRO : Establishd in 1963, the Centre is a non-profit academic research institution registered as a Society under the Societies Registration Act of 1860.

Major objectives : To carry out social scientific research in the fields of Industrial Relations and Human Resources and to disseminate the results thereof through activities such as seminars, conferences, publications and training programmes.

Initial notification by DSIR : 1964,

**Income and R & D expenditure:**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | | | | |
| Donations Received | : | 12.50 | 17.40 | 15.00 |
| Grants Received | : | 17.40 | 21.59 | 20.03 |
| Other Income (Corpus Interest) | : | 10.99 | 10.79 | 10.81 |
| *Expenditure on R&D* | | | | |
| • Capital (Fixed Assets) | : | 2.42 | 3.26 | 1.49 |
| • Recurring | : | 34.66 | 41.63 | 35.18 |

**Infrastructural facilities:**

Land & Building : The Centre is housed in rented premises measuring approximately 7000 sq ft. Research equipments consist only of 3 computers (PCs) for data processing. For bigger jobs, they utilise the services of Council for Social Development, New Delhi.

R & D Manpower:

| | | | | |
|---|---|---|---|---|
| Social Sciences & others | : | Graduate | 5 | 1 |
| | | Post Graduates | 3 | |

Above R & D Manpower is in addition to the Project staff who are engaged from time to time for the duration of each project.

Library facilities : By the end of March, 1995, the Centre's library had a collection of around 30,000 books and periodicals.

**Major achievements claimed:**

(i) Completed 10 research projects.

(ii) Conducted 41 executive development programmes (General) and 19 in-company training programmes.

(iii) Published 12 issues of the Centre's quarterly journal Indian Journal of Industrial Relations.

(iv) Brought out 5 issues of the Centre's house organ SRC Review for wider dissemination of its work.

(v) The research output of the Centre has been published in the form of 3 books and 15 papers and articles.





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(vi) Organised two National Seminars on topical subjects of contemporary relevance.

**Name and Designations of Senior Researchers:**

- Dr. Baldev R. Sharma, Chair Professor (till June, 1993) Executive Director (from June '93)
- Dr. C.K. Johri, Consultant
- Dr. C.K. B.P. Guha,Senior Fellow
- Prof. Ishwar Dayal, Senior Fellow
- Prof. J.S. Sodhi, Professor



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# SHRI RAM CHARAN PRACHYA VIDHYA-PEETH & SANGRAHALAYA TRUST

**Address:**
Neelambara 24,
Prachya Vidhya Path,
Gangwal Park,
Jaipur-302 004 (Rajasthan)

**Background :**

Status of the SIRO : Institutional museum, managed & controlled by board of trustees, related with ancient, technology, art & extensive studies research & publication work.

Year of establishment : Registered as trust on 6.1.1979, as an irrevocable, educational, cultural & charitable trust.

Major objectives : Scientific research & preservation of rare & invaluable materials of national importance, with establishment & running educational centres for studies, research & oriental work and contacting with know-un-known orientologist & museologist, scholars with knowledge of oriental working based on rare manuscripts, art & other allied objects. It is in fact a institute, rather a sacred place of art pilgrimage & on the other hand a temple of learning science, philosophy & humanities.

Initial recognition by DSIR : 1995

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations Received | : | 1.21 | 3.20 | 1.59 |
| Grants Received | : | 0.30 | 2.03 | 0.37 |
| Other income | : | 1.30 | 1.90 | 2.04 |
| *Expenditure on R & D* | | | | |
| • Capital | : | 0.77 | 2.79 | 0.083 |
| • Recurring | : | 0.39 | 0.88 | 2.32 |

**Infrastructural facilities:**

Land and Building : At present, the Institute is located in a private building which is not sufficient, where the articles can not be displayed properly, so the Jaipur Development Authority, Jaipur has allotted a land about 6,000 sq.m. for the construction of the new museum building complex at Amber Road, near "Jal Mahal". To construct a house building the estimated cost for is about Rs. 6 crores for this new museum building.

Equipment facilities : There are 18 sections, divided in museum. Projector Camera, Video-Camera, with accessories, Duplicating Machines & also so many other



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sophisticated quipments related with the research work, of Alchemy, Astrology, Astronomy, Ayourved and Gemology are available.

Library facilities : A library is provided for research scholar & writers & researchers (student) and have rare manuscrips about 15,000 in number & more than 6,000 selected printed books. Also a number of Journals & Periodicals etc. are subscribed by the museum. During this period about 33 books already printed & published.

**Major achievements claimed:**

The S.R.C. Universal Institute of orientology claims the following major achievements:

i) Old Manuscrips dating from 12th to 19th Century A.D.

ii) Archive—documents portraying cultural, historial and social life of ancient and medieval India lovingly preserved.

iii) Textiles—10 thousand samples of textile designs from 15th 19th century.

iv) Crafts—wooden and metallic statuettes of a rare sculptural elegance and exuberance ranging from time B.C. to 18th Century.

v) Sculptures—several hundred pieces from 4th cent. A.D. onwards from ossein, Harsh, Abhaner, Mathura and Khajuraho.

vi) Terracotta figures of Kalibanga, Ahad, Bairath, Kanshambi and Toshigarh

vii) Mystic tantric art, patterns, talismans, beejaksm figures and shape patterns.

viii) Manuscripts on Ayouveda and Astrology.

ix) Folk Art and Oterh paintings, a thematic collection thereof.

x) Stones and fossils of 3000 varieties.

xi) Numismatics and philately brass, silver, copper coins of Satavahan, Naga, Gupta, Kushan.

xii) Architectural paintings.

xiii) Ancient and Medieval arms, cannon balls and armoury.

- Research Papers/Reports Publication : Publication of report entitled "Exposition of Acharya Vyakul" in International Papers and Art Magazines"
- Seminars/Conferences Attended : 4
- Awards Won : Following nationally and internationally renowned awards have been won by Acharya Vyakul:
  (i) Hind Ratna
  (ii) Ydyoga Gaurava
  (iii) Nava Ratna
  (iv) Hind Gaurava



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(v) Rajeeva Gandhi Rastriya Ekta Pursskar

(vi) Rashtriya Gaurava

(vii) Gem of India

(viii) Art of Excellence

(ix) Bharat Jyoti

(x) Vidya Vachaspati (An honourary degree conferred by pragay Hindi Sahitra sammelan.)

- Any Other : i) More than 100 students have completed their Ph.D. and other research work.

ii) Books Written 15 and pullished

**Name and Designation of five Senior Researchers**

- Shri Mohan Lal Verma Research Scholar Rashtriya Ayourveda Sansthan Jaipur.
- Ku. Rajni Saxena Research Scholar D.E.I. Deemed University, Agra.
- Km. Neelam Agarwal Research Scholar Rajasthan University Jaipur.
- Dr. Chandra Mohan Research Scholar Rajasthan University Jaipur.
- Smt. Prabhawati Pareek Research Scholar Rajasthan University Jaipur.



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# SOCIAL POLICY RESEARCH INSTITUTE

**Address:**
5-D, Jhalana Institutional Area,
Jaipur-302 004.

**Background**

Status of the SIRO : Institution.

Major objectives & Major research areas :

i) Undertake scientific studies, research and development projects in the realm of national and cultural development of the people at regional, national and international levels;

ii) Undertake comprehensive research, scientific exploration and analysis of basic, natural and applied sciences for expansion of knowledge in the field of agrarian and industrial development of the country; to improve the quality of water; make saline & contaminated water (by hydrogen, sulphide organic acid) usable by human beings for drinking and irrigation; soil classification, to improve natural resources by scientific research, experiment and adoption of new as well as improved techniques, arranging for machinery and equipment, necessary for carrying on research, adaptation of research findings for experimental production; and testing of models, devices, equipments, material, procedure and process, research in social sciences and statistical research for business and industry as well, — in order thereby (i) to bring to surface the main forces that are obstructing the socio-economic progress, and (ii) to investigate and suggest positive policies & programmes.

iii) Organise studies and research in the practical problems of the peasants, workers and other sections of society and to attempt at suggesting solutions; to give benefit of research and provide technical aid, acquired by research methods, and to organise studies to analyse and evaluate Govt. policies and programmes;

iv) Discuss and develop methods of beneficial utilisation of natural resources;

v) Examine and analyse available data on various aspects of national life, - social, economic and political - rural and urban;



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vi) Organise lectures, seminars and study-groups in pursuance of the above objectives;

vii) Establish and maintain a Research & Reference Library; and

viii) Write and publish papers, literature, books, booklets and periodicals in order to bring forward the results of the studies and research, conducted by the Institute, and to highlight its activities and achievements; and

ix) Establish and collect funds and accept donations in cash or kind, and to utilize and same, or income therefrom for the purposes of the institute for attainment of its objects.

Initial recognition by DSIR : 1988

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations Received | : | 1.75 | 0.66 | 2.15 |
| Grants Received | : | 2.00 | 2.00 | 2.50 |
| Other income | : | 0.017 | 0.45 | 0.16 |
| *Expenditure on R & D* | | | | |
| • Capital | : | 2.80 | — | 0.67 |
| • Recurring | : | 2.13 | 2.71 | 1.42 |

**Infrastructural facilities:**

Land & Building : (a) Plot of land (No. 5-D, Jhalana Institutional Area) measuring 2,444.44 sq. yards.

(b) In June, 1991, construction of the administrative and research wings had been completed, as also of the seminar hall, creating total floor space of 3300 sq.ft. Expenditure of Rs. 6,77,335/- has been incurred upto March 31, 1994, on the building, including a Servants quarter and a tin-shed.

(c) A Staff Quarter has been added in 1994 at a cost of Rs. 70,000/-.

Equipment facilities : Computers, Photocopies & Fax machine.



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R & D Manpower

| | | | |
|---|---|---|---|
| Scientific & Technical | Doctorates | — | 2 |
| | Post Graduates | — | 1 |
| Social Sciences & Others | Post Graduates | 2 | 2 |
| | Graduates | 3 | — |

Library facilities : About 4,000 reference books on various subjects are available.

**Major achievements claimed:**

- Projects completed by Social Policy Research (1985-86 to 1993-94) :
  1. Study of the relief operations in the worst-affected pockets of Rajasthan : Position regarding payment of minimum wages, and work-load assigned, to relief workers;
  2. Pilot Opinion Survey of the various highlights of the Address of Hon'ble Shri Rajiv Gandhi, President, Indian National Congress, at its Centenary Session in Bombay on the 28th of December, 1985;
  3. Opinion Survey on the Union Budget for 1986-87: Perceptions of the common man;
  4. Existing land-use system and possible strategy to evolve an optimum land use plan for Jaipur district (rural);
  5. Socio-economic survey of the fifteen selected villages of Virat-Nagar Panchayat Samiti in Jaipur district: Action Plan and Model of village Badshapur-Gol, P.S. Virat-Nagar (Jaipur);
  6. Evaluation Study Project on Eco-Development Camps: their effectiveness and impact;
  7. Housing problem of Jaipur city: Strategy to evolve a suitable Shelter Policy;
  8. Action Plan to create permanent assets in the non-farm sector for generating employment in Barmer district;
  9. Application of Science and technology for women in reducing drudgery and health hazards in day-to-day activities: (Survey pert only Jaipur and Dungarpur districts);
  10. Application of science and technology for women in reducing drudgery and health hazards in day-to-day activities; and promoting



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employment generating activities for them: (A case study of the three districts of Barmer, Dugarpur and Jaipur);

11. Assessment of the impact of price hike of essential commodities in Jaipur City (January-August, 1990).
12. Strategy for environmental Planning & Management (Seminal Papers);
13. Communal riots in Jaipur City (October-November, 1990): A structural and functional analysis;
14. Impact assessment of development projects on the life and culture of the tribals: Simhalwara block, distt. Dungarpur; and
15. Workshop on application of science and technology for women in reducind drudgery and health hazards in day-to-day activities;
16. Environmental impact assessment of the mining operating in Bijolia area in Distt. Bhilwara.
17. Evaluation study of the activities of the Nehru Yuva Kendras in Rajasthan; and
18. Impact assessment study of the lift irrigation projects in villages Khatwara and Jojwa (P.S. Mandalgash).

- Seminars/Conferences attended/organised : One Seminar and one workshop organized.

**Name and Designation of Senior Researchers**

- Shri C.B. Mathur, Member (Adm. & Research)
- Prof. Pratap Mathur, Director of Projects
- Shri M.P. Kalla, Seniour Consultant
- Prof. N.K. Mahla, Project-Director
- Shri R.L. Verma, Project-Director



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# SOCIETY FOR SOCIAL CHANGE

**Address:**
H-47, MIG Colony,
Indore-452 008.

**Background**

Status of the SIRO : Institution

Year of the establishment : 1984

Major objectives : Research, Developmentm Innvoation, Training & Consultancy.

Major research areas : Social Sciemces Research, Industrial Research & Business Management Research.

Initial recognition by DSIR : December, 1992

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations Received | : | — | 0.15 | 0.82 |
| Grants Received | : | Nil | Nil | Nil |
| Other income | : | 0.51 | 0.60 | 0.48 |
| *Expenditure on R & D* | | | | |
| • Capital | : | 1.21 | 2.14 | 3.90 |
| • Recurring | : | 3.31 | 0.73 | 1.24 |

**Infrastructural facilities:**

Land & Building : Rented Building

Equipment facilities : Gross Value :Rs.20.47 lakhs

*List of equipments* : Computer & Electronic Data Transmission Devices.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Social Sciences & Others | | | |
| | Doctorate | 2 | — |
| | Post Graduates | 5 | — |
| | Others | — | 2 |

Library facilities : Having Books worth 1 lacs in different areas of Social Sciences and Management and also having research like EPW, Chartered Accountant, Chartered Secretary, Indian Management, Economic Times, Financial Express, ICSSR Journals and related research journals are regularly subscribed.

**Major achievements claimed:**

• Tecnologies developed and transferred for upscaling: : Full efficient cost saving dismantling kerosine stove in lieu of LPG developed.



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- **New Technique/methodologies developed and implemented:** : Developed and innovation in teaching method for B.ED Courses and recognised by NCERT, New Delhi, in January 1995. (Angular Formations in Economics as innovation in teaching method).

- **Research Papers Reports/Published** : i) Published 12 Research Papers in National & International reputed Journals and completed 4 Research Reports.

  ii) Published 4 Research Books titled "Challenges in Development", "Marketing Strategieis", Managerial Economics, Covalency Bond & Organizational Behaviour.

- **Seminars/Conferences organise** : Conducted Seminar on Industrial Training & Placement in India.



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# SRI AUROBINDO SOCIETY

**Address:**
No. 1, Rangapillai Street,
Pondicherry-605 001.

## Background

Status of the SIRO : Autonomous wing of Sri Aurobindo Society, an international non-governmental organisation registered under the Society's Registration Act and holding category 'B' (consultation and information) relations with UNESCO, Paris.

Year of establishment : 1985

Major research areas : Integral Education according to Sri Aurobindo and the Mother, Revival and Resurgence of Indian Culture, Management by Consciousness, Literature, Fine Arts, and Holistic health and healing based on Yogic Psychology.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 6.70 | 9.10 | 10.14 |
| Other income | 0.70 | 0.60 | 1.11 |
| *Expenditure on R & D* | | | |
| • Capital | 1.73 | 2.25 | Nil |
| • Recurring | 4.18 | 3.09 | 8.67 |

## Infrastructural facilities

Land & Building : Value : 14.82 Lakhs (1994-95)

Equipment facilities : Gross Value : Rs. 4.56 lakhs.

List of equipment : The Institute is equipped with equipments like computers, Automatic Cameras, cassettes Playors, etc.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Social Sciences & Others: | Doctorate | 14 | 7 |

Library facilities : About 4000 books

## Major achievements claimed

Production of films and video cassettes including films on Educational and Cultural themes. Publication of books and articles on educational psychology, innovations in education, social thought



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and yogic approach to management. Development of low cost and indigenous educational toys and play materials to develop the skills and indigenous educational toys and play materials to develop the skills and aptitudes of children. Research on deeper aspects of Indian music, both Hindustani and Carnatic. 20 Audio-Cassettes are ready.

- Research papers published : 4
- Brochures published : 3
- Books : Management by Consciousness — A Spirituo-technical approach.
- Journals : (i) NAMAH (A Bi-annual Journal on Holistic Health and Hygiene) (Four issues)

  (ii) Sri Aurobindo Society Annual — 1993, 1994-1995.
- Video-Cassettes : Seven video-films have been prepared and are now being distributed by Nava Vihan, Pondicherry.
- Reports : Reports on the progress of Researches completed and in progress at the Institute have been published.
- Seminars/Conferences organised in Pondicherry.

  All India Education Camps, Teacher training workshops from, Children's Camps, All India Youth Camps organised
- Seminars/Conferences/attended 2

420 Children's Camp

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**Name and Designation of Senior Researchers:**

- Shri Vijay, Professor and Vice-Chairman of the Governing Council of Institute,
- Dr. G.P. Gupta, Professor and Hony Director
- Dr. N.K. Singhi, Visiting Professor from Rajasthan
- Dr. (Miss) Vandana Gupta, Professor and Co-ordinator.
- Shri M.S. Srinivasan, Research Associate

New Building of the Institute



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# SUR SMARAK MANDAL

**Address:**
E-113, Kamla Nagar,
Agra-282 005.

**Background**

Status of the SIRO : Association

Year of establishment : 1961

Major objectives : To work in the field of General Welfare activities in the field of Physically Handicapped Welfare Activtites.

Major research Areas : Physically Handicapped particularly Blinds (Humanities).

Initial recognition by DSIR : April, 1985

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 1.93 | 2.35 | 2.29 |
| *Expenditure on R & D* | | | |
| • Recurring | 0.30 | 0.36 | 0.36 |

**Infrastructural facilities**

Land: : Area : 25 Acres Value Rs. 0.28 Lakhs

Building : Value: Rs. 4.02 Lakhs

Equipment facilities : Gross Value : Rs. 0.15 Lakhs.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post graduates Doctorate | — | 2 |
| Social Sciences & Others | Post Graduate/ | 2 | 1 |
| | Graduage | — | 1 |
| | others | 2 | — |

Library facilities : Sur Smarak Mandal has a rich Library with latest and rare books in the field of humanities.

**Major achievements claimed**

- Achievements of the organisation are being summerised

(i) HUMANITIES:

The present day crisis is indifference rather apathy of the young and adolescents towards the universal values of life. Research in Humanities have been directed to ease this unhealthy position and bring a positive change in thinking and conduct of the youth. And for this attention has been pinpointed on the Medieval Devotional Literature.

(ii) LITERATURE:

Sur Smarak Mandal after intensive research on the life and period of Surdas after using published literature and manuscripts dating back to early 16th, 17th and 18th centuries has dawn conclusions



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which have been incorporated in the book 'Surdas' published by Sur Smarak Mandal. The study of that period has also added new information and knowledge for the scholars and the general people. alike. In this direction the research study has resulted in bringing out a volumenous copilation of the lyrics of Surdas know as 'Sur Sagar'. 'Sur Sagar' is magnumopus of the literary accomplishment of poet and also a vivid pictorial depiction of the Braj culture which was dominatnt durng that time throughout India. It is for the first time that a complete story of lord Shrikrishna right from his brith to his departure from Braj has been presented. Study has been based on Hari Puran, Vishnu Puran and other books on the life of Shri Krishna. Literature pertaining to Vaishnav Sects has also been studied. This study has presented a composite picture not only of 16th century Indian Literature but also of the Socio-economic conditions of that time.

(iii) EDUCATION:

Sur Smarak Mandal is running an Intermediate College in general education. wherein three units: One Primary, the other Secondary and the third Higher Secondary have been operating.

In the Primary Unit the organisation is trying to work out result oriented research. The Association is Experiments to impart instructional education through ingenious material to the children. In this field has been minimised use of books ad reading, writing material. The story method is being deviced. The study has revealed that open air method has created in the boys better self expression and consumations. Similarly in the field of play interesting modes through available indegenous media are being devised.

In the Secondary Unit: class VIth to VIIIth are being conducted on two groups of students of the same class and almost of the same age. In one section Number of teachers were reduced only as a guide and not as a trainer while in the other he takes the students in the routine way. The total difference has well marked. In one the students were free and take decisions independently; while in the others this power remains dormant and they solely depend on the teacher.

(iv) HIGHER SECONDARY

The effort was to reduce dependence on things as far as possible in the village people. The result of the programme has created felt-need in the people and the role become advisory. This orientation method has broguht out good results. This is a constant work which requires continued research and study in the socio-economic field.

(v) PHYSICALLY HANDICAPPED PARTICULARLY BLIND:

The Organisation is working in this direction in the villages of Dist. Banda and Agra in U.P. In Banda a voluntary organisation known as Vigyan Shiksha Kendra have been involved, which is imparting Training and Action in the field of rural development programmes. In Agra also several social workers have been entrusted to work in this direction. In the Dist. of Agra have also been involved administration authorities e.g. Dist. Magistrate, C.D.C. and S.D.M. have also been involved tohelp indocumentation of the Blind. This has brought good results, and has been quite helpful is sorting out causes of the problem of Blindness.



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The Society is also studying ways and means to provide rehabilitation to the blind by helpng them to settle in their own areas. This endeavour is based on the study of the environment of the areas where the Blind is to be rehabilitated, and also other socio-economic conditions.

More convenient and easier modes for study of subjects in which Braille Books are not available are being worked out are also being inspired. Sighted people to study Braille script. The experiment has been quite successful. This study has created closer communication link between the blind and the sighted.

In the field of Recreation the Organisation is constructing a football in which gingling sounds are inserted so that by hearing the sound the blind boy may follow the football. Similarly ends are on to improvise lighter cricket stamps to reduce danger of hurt. The organisation is also engaged in developing more venues of recreation for the blind through research in the field of sports and games. Effort is to build up cheaper things for the recreation of the Visually Handicapped.

**Name and Designation of five Senior Researchers**

- Dr. R.B. Saxena, Eye Surgeon
- Dr. Atul Kulshreshtha, General Physician
- Dr. (Km.) Pushpa Srivastava, Psychologist
- Dr. Upendra Acharya, Technical Assistant
- Dr. M.L. Sharma, Suras



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# SWAMI RAMANAND TEERTH INSTITUE OF SOCIO-ECONOMIC RESEARCH AND NATIONAL INTEGRATION

**Address:**
1-10-342, Brahamanwadi,
Begumpta,
Hyderabad-500 016 (A.P.)

**Background** : A registered Society—registered under Public Societies Registration Act of 1974, Registration No. 164 (Andhra Pradesh)

Major objectives : To undertake action-oriented Research in Socialist thought and Socio-Economic problems, particularly those having bearing on specially and economically weaker sections therein.

Major research areas : Inter-disciplinary research in relation to Education, Development & National Integration, field-problems of regional development.

Initial recognition by DSIR : 1988

**Income and R & D expenditure**

(Rs. in lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | 0.095 | 0.86 | 0.017 |
| Grants Received | : | 0.025 | 0.025 | 0.18 |
| Other income | : | 6.63 | 8.01 | 9.43 |
| *Expenditure on R&D* | | | | |
| • Capital | : | 0.36 | 2.81 | 0.79 |
| • Recurring | : | 1.09 | 1.65 | 2.17 |

**Infrastructural facilities:**

Land & Building : Rented

Library facilities : Books — 4965 : Journals — 70

**Major achievements claimed**

- Seminars/Conference attended/organised : Two days' Seminar was organised on 'Education for All' sponsored by UNICEF on 15th & 16th of October, 1994 at Aurangabad.

**Name and Designation of Senior Researchers**

- Shri B. A. Kulkarni, Director
- Smt. Dr. Jyotsna Gharpure, Joint Director
- Dr. K. S. Deshpande, Joint Director
- Dr. S. B. Gogate, Hon. Professor



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# SWEEKAAR REHABILITATION INSTITUTE FOR HANDICAPPED

**Address:**
Upkaar Circle, Picket
Secunderabad-500 003 (A.P.)

**Background**

Status of the SIRO : Sweekaar Rehabilitation Insittue for Handicapped is a non profit, non commercial voluntary organisation registrered under the Public Scoeities Registration Act. This society was established in 1977 under the Andhra Pradesh (Telangana Area) Public Societies Registration Act, 1350 Fasli (Article 1 of 1350 Fasli).

Major objectives :

(i) To provide and stimulate services for individuals with disability and impariments; and also, other vulnerable sections of the society;

(ii) To undertake community development activities including those related to health, education, family welfare and nutrition programmes in rural and urban area;

(iii) To undertake documentation and dissemination works related to the above areas in order to highlight the above mentioned target issues for positive social action;

(iv) To undertake process research in the areas of disability and impairments or about other vulnerable sections of the society;

(v) To develop trained human resource and man power in the above mentioned areas;

(vi) To encourage development and creation of instituions/facilities with similar objectives

Major reseach areas :

(i) Determine patterns of prevalence of disability and impairments in target rural/urban and slum areas by using vaious approaches for detection, such as, house to house surveys, camps, centre based reports, etc.

(ii) profiling perceptions, attitudes or opinions of various sections of the general population, such as,



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employers, teachers, general public, parents and caretakers, etc., on different aspects of persons with disability and impairments.

(iii) Psycho-social experiences of handicapped persons inlcuding their exposure to school, opportunities for employment of other activities vis-a-vis nomral age peers.

Application of computers to the training or rehabilitation of persons with handicaps.

Initial recognition by DSIR : December, 1993

**Income and R & D expenditure**

(Rs. in lakhs)

| *Income* | 1993-94 | 1994-95 |
|---|---|---|
| Donations received | | 0.45 |
| Grants received | 2.49 | 1.51 |
| *Expenditure on R & D* | 3.14 | 5.87 |

**Infrastructural facilities**

Land Area : Research & Documentation wing 10x12 feet+Acres for Rural Research Projects; Value Rs. 2.75 Laksh

Building : Area: Constructed within Premises of IRBP&RA; Value Rs. 1.00 Laksh

Equipment facilities : Gross value : Rs. 2.29 Lakhs

*List of equipments* :

Computers,

Printers

Computer peripherals

**Library facilities :**

Sweekaar Research &Documentation Wing houses small library facility comprising of around 215 titles realted to professional books on various aspects of disability and rehabilitation.Further, 2 internatinal and 4 Indian speciality journals are also being subscribed to on a regular basis. It is proposed to upgrade the quantity of books and journas in the library in due course of time.

**Major achievements claimed**

- Research Papers published : 8
- Lectures delivered by Institute : 8

(i) Delivered the Key note address on "Newere Strategies in Rehabilitation of Handicapped" organiased by Dr. K.T. Raja Rao



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Memorail Trust, on 28th September, 1992, at Amalapuram East Godavari District.

(ii) Interviewed in Telugu on All India Radio, Hyderabaed Station, on "Buddhi Mandhyatha: Chikithsa marayu Punaravasamu" on 30th September, 1993, at 19.15 Hours.

(iii) Interviewed on Doordarshan National Network during morning transmission at 08.15 hours in English. Interviewed by Mr. Mukul Verma in October, 1992.

(iv) Interviewed in Telugu on All India Radio, Hyderabad Station, on "Sowbaghya Sumalu Shirhsika: Chinna Pillalu Manasika Lopallu—Karanalu, Chikithsa, Punaravasamu" on 3rd January, 1993, at 15.00 Hours.

(v) Paper presented on "Parental Involvement in the Rehabilitation of their Children with Development Delays" at the 32nd National Conference & Symposum on Early Intervention in Prevention of Childhood Disability held under the auspices of Childhood Disability Group, Indian Academy of Pediatrics on18th December, 1994, at Indore.

(vi) Particiapated in the Short Term Training Programme for Pediatricians on Multiple Handicaps conudcted by the National Institute for the Mentally Handicapped from 30th Jan, 1995 to 1st Feb, 1995.

(vii) Particiapated in the Continuing Medical Education Programme/ EMG Hand-on Work/IAPMR 23rd Annual National Conference Organized by Indian Associaiton of Physical Medicine and Rehabilitation at Trivandurm, India between 23rd 25th March, 1995.

(viii) Delivered lecture on "Prevention of Childhood Disabilities" during the workshop Organized by UNICEF, Hyerabad and Directorate, Welfare of the Handicapped, Government of Andhra Pradesh, Hyderabad for field level rehabilitation workers at Jubleee Hall, Hyderabad on 27th July, 1995,

- Faculty at Various National/International Forums
- Honours/Awards won: 24

(i) Momento—Received from Governor of Andhra Pradesh in appreciation of services for rehabilitation of mentally retareded in 1978 at Hyderabad.

(ii) National Award 1983 Mr. Kishan Singh, a trainee employee of the Insititute was given the "National Award for the Best Mentally Disabled Trainee and Employee" instituted by Minsitry of Welfare, Government of India and presented by the President of India on7th April, 1983.

(iii) FICCI Award 1987, (Federation of Indian Chamber of Commerce and Industry) awareded on April 2, 1988 for outstanding services and placement of the mentally retarded and physically disabled and deaf children and adults by Shri ND Tiwari, Hob'ble Minister of Finance &Commerce at New Delhi.



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(iv) Dr. KT Raja Rao Memorial Lecture awarded for Excellence in Medicine, 1988.

(v) Recived State Award for recruiting maximum number of handicapped persons during the years 1985-86 and 1986-87 on 29th May, 1989, from Government of Andhra Pradesh by the Honorable Minister for Social Welfare.

(vi) IAPMR Award (Indian Associaiton of Physical Medicine and Rehabilitation) for outstanding contribution for the upliftment of the disabled on January, 27, 1991 at New Delhi award presente by Dr. KK Singh, President, IAPMR at New Delhi.

(vii) National Unity Award for his contribution to mentally retarded, physically disabled and deaf people on August 20, 1991 by the Governor of Tamil Nadu Shri Bhisma Narain Singh at Madras.

(viii) FIAMS Award (Fellow of the Indian Academy of Medical Specailatiies) for his dedicated and exceptional services for the upliftment of the less fortunate mentally handicapped, physically disabled and the deaf children and adults in September, 1991 at Mysore.

(ix) Hind Gaurav Award 1991, All India Achievers Conference at Madras.

(x) IMA Award (Indian Medial Assocation)—Honoured by Dr. Arvind M Shah, President of Indian Medical Association, New Delhi for outstanding contribution in the rehabilitation of the mentally handicapped, physically disabled and the deaf in the month of November, 1991 at Hyderabad.

(xi) Excellence Award—International Peace Foundation Excellence Award 1991 presented by Sri PV Ranga Rao, Minister for Education, Government of Andhra Pradesh in Apirl, 1992 at Hyderabad.

(xii) Universal Achiever Award 1991 organized by International Peace Friendship Society of INdia at Bangalore on August 20, 1992 presented by Shri Dharam Singh Narayan Singh, Hon'ble Minister for Home and Excise, Government of Karnataka.

(xiii) Priya Darshinin Indira Gandhi Award presented at Bangalore in 1992 by International Integrity, Peace and Friendship Society, Banglaore.

(xiv) Dr. Shakuntala Health & Medical Award of Dr. Konda Shakuntala Devei Foundation presented by Swamy Ranganathananda, President Sri Ramakrishna Mission, in 1992.

(xv) Gem of India Award in recognition of outstanding services to society and excellence in chosen field of activity.All India Achievers Conference, New Delhi by Shri Arjun Singh, Hon'ble mInister for Human Resources & Development, Government of India on March 24, 1993.

(xvi) Navratna Award presented by Vasavi Art Theatres (A cultural literary social service, educational organisation) Secunderabad for his contribution in the field of medicine in July, 1993.



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(xvii) National Integration Award presented by Grameena Vidyodaya Padakam (Rural India) Andhra Pradesh for the normal cause of integration and education to be presented on 15 August, 1993.

(xviii) Out students with handicaps have been regularly particiapaing in "Special Olympics", Special Art competitions, cultural programmes etc. at National Level and winning prizes every year.

(xix) State Award to Outstanding Employer—1993 in recognition of th outstanding services for welfare of handicapped was presented on December 29, 1993, by the department of Women and Child Welfare, Government of Andhra Pradesh.

(xx) State Award in Public Recognition of Having Recruited Maximum Number of Mentally Retarded Persons-1992 was presented on December 29, 1993, by the Directorate for the Welfare of Handicapped Government of Andhra Pradesh.

(xxi) Ms. N. Uma Rani, a student of Special School for Deaf, recived Special Award for painting competitios conducted by Rajiv Gandhi Foundation, New Delhi in November, 1993.

(xxii) National Award for the welfare of the handicapped was presented by Dr. Shanker Dayal Sharma, Presdent of India, in recognition of the outstanding performance of the INstitute as employees of handicapped persons in March, 1994.

(xxiii) Bharat Jyothi Award presented to Dr. P. Hanumantha Rao,Founder & Honorary chairman in recongition of his outstanding services to society by ShriGiani Jail Singh, Former President, Government of India on behalf of Internatioal Integrity Peace & Friendship Society Bangalore on 4th March, 1994 at New Delhi.

(xxiv) Dr. B.C. Roy National Award to Dr. P. Hanumantha Rao, Founder & Honorary Chairman in recognition of his outstanding in the field of Socio-Medial services.

**Name and Designation of five Senior Researchers**

- Dr. P. Hanumantha Rao, Founder & Honorary Chairman
- Mrs. K. Anuja, Asst. Director (Projects)
- Mr. C. Ravi, Sr. Computer Programmer
- Ms. Sunitha, Sr. Special Educatior
- Ms. Sujatha, Speech Therapist.



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# T.A. PAI MANAGEMENT INSTITUTE

**Address:**
Manipal 576 119,
Karnataka

## Background

Status of the SIRO : Institution

Year of establishment : 1980

Major objectives : To provide quality management & education training to conduct research in Management discipline

Major research areas : Enterpreneurship, Agribusiness and Technology Management.

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Grants received | — | 3.00 | — |
| Other income | 24.11 | 38.77 | 58.54 |
| *Expenditure on R & D* | | | |
| • Capital | 5.34 | 9.67 | 10.48 |
| • Recurring | 32.75 | 47.42 | 75.50 |

## Infrastructural facilities

Land & Building : Area 45,000 sft spread over two buildings. Both the buildings belong to Academy of General Education, Manipal.

Equipment facilities : Gross Value : Rs. 2.02 lakhs.

List of equipment :
- Projectors,
- Televison & Photocopier machine

R & D Manpower

| | Full time | Part time |
|---|---|---|
| Social Sciences & Others | 14 | 3 |

Library facilities : The Library is not only well stocked with current literature and magazines both from India and abroad. The libarary is computerised so as to provide easy access for utilisation. The Library is furnishd well and works for about 14 hours a day.

## Major achievements claimed

(i) The two year Post-Graduate Programme in Management (PGDM) which is the main stay of the Institute has reached a respectable stature and ranked among the first few in the country.

(ii) The placement record of the institute has substantially improved over the three year period: From a few companies visiting the campus reached a status of 25 comapnies that too well-known ones and recruiting almost all the candidates which numbered about 80.

(iii) The respectability of the programme has not only come through the Placement record alone but also the way the programme has



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been restructured and fortified with greater inputs, its rigorous conduct as well as its evaluation.

(iv) The academic infrastructure has been expanded and qualitatively improved. They have the best of the Computer Centre with more than 60 terminals and best possible Software available to the students. The Computer Centre works for 14 hours a day.

(v) The faculty strength has been increased and a number of qualified and competent faculty have joined.

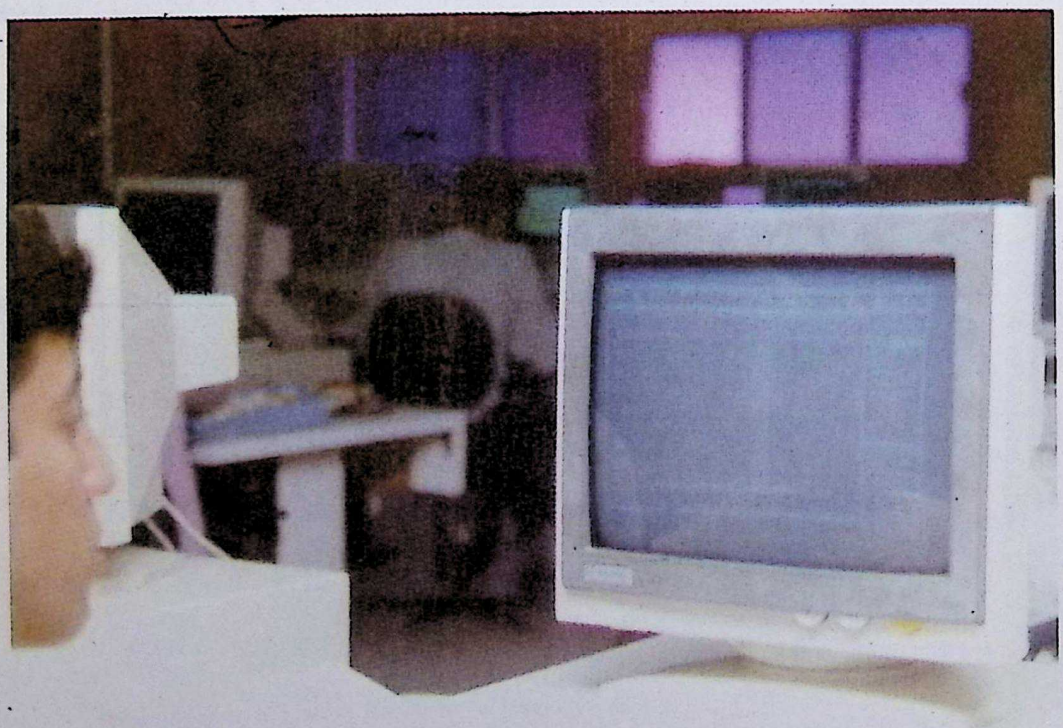
(vi) During this process, their ability to interact with industry and business has greatly improved.

(vii) The institute has developed a long term plan which has taken into account their expansion plans.

(viii) The Institute has developed and innovative programme for entrepreneurs with the collaboration of the Engineering College in Manipal;

**Name and Designation of Senior Researchers**

- Prof., Ganesh Kumar, Associate Professor
- Prof. Simon George, Associate Professor
- Prof. V.S. Pai, Assistant Professor
- Prof. R.C. Sekhar, Emeritus Professor
- Prof. J.D. Somasundaram, Emeritus Professor



Student working on a Computer: Keyboard to the Future



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# THAKUR RESEARCH FOUNDATION

**Address:**
212, Deen Dayal Upadhyaya Marg, New Delhi-110 002.

**Background**

Status of the SIRO : Trust

Year of establishment : 1981

Major objectives :(i) To undertake, conduct or help to carry on Scientific, applied scientfic accounding research including management accounting, auditing, taxation, corporte laws, public finance and related subjects.

(ii) To grant suitable awards to research schoolars and eminent writers of the areas mentiond (i) above.

(iii) To establish, maintain and run liabraries and building up collection of books, periodicals etc.

(iv) To exchange of opinions and views, techniques, practices, trends etc. and to co-operate with professionals, educational, research financial, industrial institutions and Government and other organisations in the collection and exchange of information.

(v) To undertake, organise and facilitate study courses, conferences, lectures, seminars, workshops and the like to promote the objects of the foundation.

(vi) To institute and award, fellowships, scholarships, prizes, medals, certificates etc.

Major research areas : (i) Conduct research in the area of applied scientific accounting research including management accounting, auditing, taxation, corporate laws, public finance and related subjects.

Initial recognition by DSIR : 1984

**Income and R & D expenditure :**

*(Rs. in lakhs)*

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations received | 0.075 | 0.30 | 0.20 |
| Other income | 0.34 | 0.10 | 0.13 |
| *Expenditure on R&D* | | | |
| • Recurring | 0.41 | 0.35 | 0.23 |



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**Infrastructural facilities**

Facilities continue to be provided by the promoter organisation.

R & D Manpower

| | Part Time |
|---|---|
| Scientific & Technical | 4 |
| Social Sciences and other | 4 |

**Major achievements claimed:**

(i) A Study was conducted in respect of all the sick assisted industrial concerns in order to review and analyse the working of these units and then the results were analysed after studying the strategies employed by IRBI in alleviating the sickness in these units. Other aspects studied include: An overview of how one after another industries started suffering from crisis/sickness particularly after 1960. Analysis of causes of sickness in general and in the assisted units of their IRBI in particular.

(ii) Corporate profile of IRBI

(iii) Study of taxation aspects of charitable organisations. A study on taxation aspects of charitable organisations was undertaken so that the trustees and beneficiaries of such organisqations become familiar with the tax laws so as to be able to appreciate the obligations as well as the reliefs available. For this purpose the study has been made in respect of different types of trusts as also the conditions to be fulfilled for getting exemptions from tax. The impact of taxation of business income of charitable trusts though differing from year to year has been laid down.

(iv) A study conducted covering as to the merits and demerits on various methods of valuation of fixed assets with a view to provide 'cover' to secure the liabilities for the owner of the assets.

**Name of Senior Researchers**

- Shri V. Rajaraman
- Mr. V. Dikshit
- Dr. B.M. Lal Nigam
- Shri K.N. Gupta
- Shri M.P. Thakur



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# THE INSTITUTE OF COMPANY SECRETARIES OF INDIA

**Address:**
ICSI House,
22, Institutional Area, Lodi Road
New Delhi-110 003.

**Bakground**

Status of the SIRO : Professional Body constituted under the Company Secretaries Act, 1980.

Year of establishment : 1968

Major objectives :

i) Register students with 10+2 and graduate qualifications for company secretaryship course.

ii) Conduct company secretaryship examination twice a year in thirty eight centres all over India and one centre in Middle East.

iii) Provide postal/oral coaching and training enabling students to qualify as company secretaries.

iv) Enrol qualified persons as Associate/Fellow members of the Institute and Issues certificate of practice to members taking up practice;

v) Publishes 'Chartered Secretary', a professional monthly journal popular among all professionals;

vi) Publish 'Student Company Secretary' and also 'C.S. Foundation Course' Bulletins for the benefit of students

vii) Exercise professional supervision over the members of the Institute both in employment and in practice in matters pertaining to professional ethics and practice

viii) Give expert advisory opinion to members on intricate issues relating to various corporate laws

ix) Organise Professional Development Programmes, Continuing Education Programmes, National/Regional Conventions, Seminars, Workshops and Symposia directly and/or through its Regional Councils and Chapters on topics of current interest to company secretaries and other corporate executives

x) Organise Professional Development Programmes regularly, in collaboration with Chambers of Commerce, Department of Public Enterprises, Government of India, and Professional Sister Institutions;

Major research areas : Corporate, Economic and tax laws, corporate governance, finance, capital markets, financial services, secretarial





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and management audit, annual reports and audit practices, etc.

**Income and R & D expenditure:**

(Rs. in lakhs)

| | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| *Income* | | | |
| Donations received | Nil | 0.67 | 7.68 |
| Other income (from Convention and Professional Development Programmes) | 20.36 | 23.19 | 26.52 |
| *Expenditure on R & D* | | | |
| • Capital | 27.54 | Nil | 5.99 |
| • Recurring | 9.08 | 10.78 | 11.89 |

**Infrastructural facilities:**

Land : Area: 2974.78 sq.m; Value: 29.55 lacks

Building (under construction) : Area: Nil; Value: 3.98 lacks

Equipment facilities : Gross value: Rs. 6.14 lacks

The Institute is setting up a Centre for Corporate Research and Training (CCRT) at Bombay to serve as a seat of higher learning in the area of Corproate Laws, Economic Legislations, Taxation, Financial Management, etc. A plot of land for the Centre has been acquired by the Institute. The Centre will provide all modern facilities for research in the specified areas. The objective of the Centre is to afford an opportunity to members to carry out research, and through the process attain excellence. The Centre will be a seat of advanced learning to assist the industry, and corporate world in adapting to new changing environment.

R & D Manpower :

| | Qualification | Full Time |
|---|---|---|
| Social Sciences and Others | Doctorates | 5 |
| | Post Graduates | 13 |

Library facilities : The Institute has a full fledged library with about 8000 books and over 500 bound volumes of law and professional journals.

**Major achievements claimed :**

- Seminars/Conferences/Programmes organised:
- ICSI-ICAI Joint programme on 'Corporate Finance and Law-Certain Aspects'-February 14-15, 1992, Hyderabad.
- Professional Development Programme for Company Secretaries in practice-May 23-24, 1992, Madras.



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- ICSI-DPE Joint Professional Development Programme on Managerial and Personnel Aspects relating to Govt. Companies-July 22-23, 1992,Bangalore.
- Orientation programme in 'Central Excise-Law and Procedures', August 31-September 4, 1992 New Delhi.
- ICAI-ICSI Joint professional development programme on 'Aspects of Corporate Finance and Law'-September 18-19, 1992, Calcutta.
- National Seminar on 'Emerging Capital Markets'-October 16-17, 1992, New Delhi.
- 20th National Convention and 1st International Conference on 'Liberalised International Environment-November 12-14, 1992, Calcutta.
- Professional development programme on 'FERA, 1973-Implications and Imperatives of Recent changes'-March 29, 1993, Madras.
- Workshop on certification by company secretary under clause 312(3) of the Companies Bill, 1993-May 20, 1993, New Delhi.
- Professional development programme for company secretqries, May 31 and June 1, 1993, Bombay.
- National Seminar on the Companies Bill, 1993-June 30 and July 1, 1993, new Delhi.
- 21st National Convention on 'Globalisation of India Economy'-October 14-16, 1993, Madras.
- Orientation Programme in central Excise-Law and Procedures-November 1-5, 1993, New Delhi.
- One Seminar on Industrial Growth-Financial Reforms and Foreign Investments-November 24, 1993, Bombay.
- National Seminar on the Companies Bill, 1993-June 30 and July 1, 1993, New Delhi.
- 21St National Convention on 'Globalisation of Indian Economy'-October 14-16, 1993, Madras.
- Orientation programme in Central Excise-Law and Procedures-November 1-5, 1993, new Delhi.
- One Seminar on Industrial Growth-Financial Reforms and Foreign Investments-November 24, 1993, Bombay.
- One day seminar on Euro Issues-April 29, 1994 at New Delhi.
- One day seminar on Policy and Procedures relating to operations by FIIs and FDIs in India jointly with ASSOCHAM-July 2, 1994 at Calcutta.
- 22nd National Convention of Company Secretaries on New Frontiers International Business and Company Secretaries-August 11-13, 1994 at Goa.
- National Seminar on Emerging Capital Markets and Corproate Restructuring jointly with FICCI-November 11-12, 1994 at New Delhi.
- Professional Development Programme on Selected Legal and Procedural Aspects relating to Govt. Companies jointly with Department of Public Enterprises-December 22-23, 1994 at Bangalore.



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- Professional Development Programme on Corporate Finance and Law jointly with the Institute of Cahrtered Accountants of India-March 24-25, 1995 at Chandigarh.

**Name and Designation of Senior Researchers**

- Dr. S.P. Narang, Secretary
- Mr. V.K. Aggarwal, Director
- Dr. Ajay Narain, Director
- Mr. D. Varadarajan, Jt. Director
- Mr. Antony Paul, Dy. Director


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# THE K.R. CAMA ORIENTAL INSTITUTE

**Address:**
136, Bombay Samachar Marg, Fort,
Bombay-400 023.

**Background**

Status of the SIRO : Institute

Year of establishment : April 1916

Major research area objectives : Promoting Research in Oriental, Indo-Iranian and Zoroastrian Studies.

Initial recognition by DSIR : 1979

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| Donations received | : | 0.17 | 1.45 | 8.10 |
| Other income (Hall Fees, etc.) | : | 1.63 | 1.53 | 2.34 |
| *Expenditure on R & D* | | | | |
| • Capital | : | NIL | 0.68 | 1.82 |
| • Recurring | : | 1.09 | 1.48 | 1.26 |

**Infrastructural facilities:**

Land and Building : The Land and the four storied building in a prime locality of Bombay belongs to and is fully owned by the Institute.

: The land and the building constructed in 1936. The present market value would be worth several crores of rupees today.

Equipment facilities : The furniture, fixtures, xerox machine, electronic typewriter are estimated to cost few lakhs of Rupees. It is difficult to estimate the value of the rare books and manuscripts in the Library. The value of rare manuscripts would run into several lakhs of Rupees.

R & D Manpower:

Social Sciences & others : 22

Library facilities : A wealth of information is available in the prestigious Library. It is a treasure house of rare books on Oriental, Indo-Iranian and Zoroastrian Studies. Scholars doing research in these fields keep in touch with our Institute. Those who cannot make use of the Library in person, correspond with us. Relevant materials is xeroxed and despatched to them to facilitate their research work.



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**Major achievements claimed :**

- Research Papers/Reports Published : The Institute annually publishes a prestigious Journal. To date 60 Journals have been published and distributed to reputed Universities and scholars the world over.

  Also reprinted and published several books.

- Seminars/Conferences attended/organised :

  (i) Organised the First International Congress in 1989. The Second International Congress was successfully organised from 5 to 8 January 1995.

  (ii) The Institute conducts yearly various Essay Competitions on Indo-Iranian, Zoroastrian and oriental studies and allied topics for students of Schools, Colleges and Institutions.

  (iii) It organises the Sir Rustom P. Masani Elocution Competition for all under-graduate and post-graduate students.

  (iv) Held a meeting of all Religions on 29 August 1993. Christianity, Hinduism, Zoroastrianism, Buddhism, Islam, Jainism, Sikhism and the Jewish faiths were represented.

  The Institute organised several lectures during the years. The same are delivered by leanred scholars in the field of Indo-Iranian and comparative study of Religions. Every year on the 11 November the Institue celebrates the Birth Anniversary of the late Mr. K.R. Cama.

  (v) The Institute, in collaboration with the Culture House of the Islamic Republic of Iran celebrated the Iran Culture Week in Bombay from 28 January to 4 February1994.Cultural Programmes were held. A week long exhibition of beautiful pictorial books and photographs from Iran were displayed in the Library Hall of our Institute.

  (vi) The Institute has organised a Global Essay Competition in collaboration with some sponsors on the topic 'BUT FOR THEM ZOROASTRIANISM WOULD HAVE BEEN EXTINCT IN IRAN". Prizes of Rs. 25,000/-, Rs.



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20,000/- and Rs. 10,000/- are offered. The essays are judged by an international panel of judges and the prize winning essays are be printed by this Institute.

(vii) The institute has instituted four Junior Fellowships of Rs. 3000/- each to four scholars during the financial year. Similarly two Jnior Vedic Fellowships each of Rs. 3000/- have also been instituted.

- Any other : The Director of Higher Education, Maharashtra State has recognised the Institute on a long term basis.

**Name and Designation of Senior Researchers:**

- Dasturji Dr. K.M. Jamaspasa (High-Priest & Professor), Honorary Advisors.
- Rev. Fr. John Correia-Afonso, S.J. (Former Director of Heras Institute, Bombay), Honorary Advisors
- Prof. S.A. Upadhyaya, Chairman (Specialist in Vedic Studies)
- Dr. N.S. Gorekar (Specialise in Urdu, Persian, Arabic)
- Dr. (Mrs.) Katy F. Dalal (Eminent Archaeologist)
- Dr. (Mrs.) Zeenat Shaukat Ali (Professor - St. Xavier's College)
- Ervad Dr. Rooyintan P. Peer (Ancient Iranian Languages)



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# THE MOTHER'S SERVICE SOCIETY

**Address:**
Plot 4, Venkata Nagar
Extension,
Pondicherry-605 011.

**Background:**

The Society was founded in 1969 to serve. The Mother of Sri Aurobindo Ashram, Pondicherry.

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | 1991-92 | 1992-93 | 1993-94 |
|---|---|---|---|
| Donations | 5.43 | 5.97 | 6.15 |
| Grants | Nil | Nil | Nil |
| *Expenditure on R & D* | 11.28 | 5.97 | 9.62 |
| Other Income | 11.39 | 8.86 | 11.23 |

**Infrastructural facilities:**

| | | |
|---|---|---|
| Land & Building Area | : | Area: 123 acres; Value: 2.38 lakhs. |
| Equipment facilities | : | Gross Value : Rs. 2.28 lakhs. |
| List of equipment | : | Computers, Photocopier, Fax Machine etc. |

R & D Manpower :

| | |
|---|---|
| Scientific & Technical | 12 |
| Others | 2 |

**Major achievements claimed:**

- Research Papers and Reports Published:

  Since 1989, the Society has been researching in collaboration with the International Commission on Peace and Food (ICPF), an international non-governmental agency with secretariat in California, USA, consisting of distinguished scientists, administrators, social and political leaders from 15 Developing and industrial nations. Three senior researchers from the Society serve as members on the Commission.

  The final report of the Commission, entitled Uncommon Opportunities: An Agenda for Peace and Equitable Development, was published in September 1994, released at UN Headquarters in New York and UNESCO in Paris, and formally presented to the UN Secretary General, Mr. Boutros Boutros-Ghali, by the Queen of Jordan.

- Seminars Conferences attended/organised:

Senior staff of the Society organized and helped to finance a number of international conferences and seminars during the last three years in collaboration with the International Commission on Peace and Food. Three senior research fellows of the Society participated in these meetings

- Transition in Eastern Europe: This two day seminar included 15 participants from Russia, India, Europe and the USA. It was cosponsored by ICPF and the Government of Norway held in Oslo during October 1993.
- Strategies for Accelerating the Transition in Russian Agriculture: This two day conference included participants from Russia, other former Soviet Republics as well as international experts from World Bank, the USA, Germany, Netherlands and Norway. It was cosponsored by the Gorbachev Foundation and held in Moscow during January 1994.



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- Final Plenary Meeting of the International Commission on Peace and Food: This three day meeting included 25 members of ICPF as well as invited experts from UNESCO, UNDP and UNICEF. It was cosponsored by the Carter Presidential Center and held in atlanta, Georgia, USA during October 1994.

- Presentation of ICPF's Report 'Uncommon Opportunities': Three one day seminars were organized by Society staff and conducted during September and October 1994. A meeting at the Un Headquarters in new York was consponsored by UnDP. UNESCO consponsored a meeting in Paris. The German Foundation for International Development organized a meeting in Berlin.

- Recommendations for the World Summit on Social Development: Two senior researchers of the Society conducted a half day seminar at UN headquartes in new York during the final preparatory meeting for the Social Summit in January 1995 to present the recommendations of ICPF's working groups on employment, restructuring of the UN, and human resource development.

**Senior Researchers:**

- T. Natarajan, Secretary
- Garry Jacobs, Assistant Secretary and also Member Secretary of Internationa Commission on Peace and Food
- Robert Macfarlane, Treasurer and also Member of ICPF
- Robert van Harten, Researcher and also Member of ICPF
- Suresh Kennit, Research Associate.



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# UNIVERSITY OF PENNSYLVANIA INSTITUTE FOR THE ADVANCED STUDY OF INDIA

**Address:**
A-31, Friends Colony East,
New Delhi-110 065.

**Background**

**Status of the SIRO** : The University of Pennsylvania Institute for the Advanced study of India (UPIASI) was registered under the Societies Registration Act, 1860 by the Delhi Administration, January 3, 1995.

Initial recognition by DSIR March 1995.

Major objectives/Major research areas:

To administer, support and co-sponsor the Indian component of various joint projects which originate in the CASI. It will also take the initiative in developing its own programes of special concern to UPIASI's partners in India. Together, CASI and UPIASI propose building up an organizational framework for national and international reseach projects, dialogues and publications on contemporary India. The areas of studies included in this programe are:

Technology, Organisation and Economic Development.

Energy, Environment & Natural Resources Development.

Global Communication & National Media.

Cognitive Scinces, Languarge and Culture

Governance in Diverse Societies.

International Cooperation and National Security.

Environment and Medicine.

UPIASI is currently in the process of establishing academic collaboration with the leading research centres in India. It has already established collaborations with Tata Energy Research Institute; National Centre for Software Technology; National Council of Applied Economic Research; Indian Institute of Mass Communications; Centre for Policy Research.

**Infrastructural facilities** : The present office is equipped with telephone, fax, computer, typewriters, etc. There is also a Library.

**Name and Designation of Researchers**

- Prem Vashishtha,
  Director,
  Agricultural Economics Research Centre, Delhi
  School of Economics, University of Delhi, Delhi
- Balveer Arora,
  Centre for Political Studies Jawaharlal Nehru University New Delhi
- Ranjan Kumar Bose,
  Fellow, Tata Energy Research Institute (TERI), New Delhi
- R. Chandrasekhar,
  Senior Staff Scientist National Centre for Software Technology, Bombay
- Francine R. Frankel,
  Director, Centre for the Advanced Study of India Univeritsy of Pennsylvania Philadelphia.



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# VAIKUNTHBHAI MEHTA RESEARCH CENTRE FOR DECENTRALISED INDUSTRIES

**Address:**
Plot No. 107, Sector No. 15
P.O. Konkan Bhavan, P.B. 24,
CBD Belapur,
New Bombay-400 614.

## Income and R & D expenditure

*(Rs. in lakhs)*

| | | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|---|
| *Income* | : | | | |
| Donations Received | : | 11.95 | 19.00 | 25.00 |
| Grants Received | : | 4.41 | 6.00 | 6.87 |
| Other Income | : | 1.54 | 1.35 | 00.90 |
| *Expenditure on R&D* | : | | | |
| • Capital | : | Nil | Nil | 0.56 |
| • Recurring | : | 7.93 | 9.00 | 7.19 |

## Infrastructural facilities

Land and Building: Area : 8000 Sq. Ft. Value : 100 Lakhs

Equipment facilities: Gross Value: Rs. 0.50 Lakhs.

R & D Manpower :

| | | Qualification | Full time |
|---|---|---|---|
| Social Sciences & others | : | Ph. D. | 3 |
| | | Post graduates | 2 |
| | | Others | 2 |

Library facilities :

| | | | |
|---|---|---|---|
| (i) | News Papers, journals, periodicals & other documents | - | 300 |
| (ii) | Scientifically indexed cards. | - | 20,000 |

## Major Achievements Claimed :

- Research papers/Reports Published : 4 Reports & Research Papers
- Seminars/Conferences attended/ organised : 10

## Name and Designation of Senior Researchers

- B.T. Acharya, Director
- C.S. Adhikari, Dy. Director
- Ruby Ojha, Dy. Director
- M.V. Aphale, Consultant
- Lillykutty V.S., Sr. Research Officer



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# VED VIGNAN MAHA VIDYA PEETH

**Address:**
19, 39th A-Cross,
11th Main Road, 4th T. Block,
Jayanagar, Bangalore-560 041.

**Background** : Established in 1981, conducting research in ancient positive Sciences and their utility to Modern Life Styles.

Initial recognition by DSIR : 1987

**Income and R & D expenditure:**

*(Rs. in lakhs)*

| Income | *1992-93* | *1993-94* | *1994-95* |
|---|---|---|---|
| Donations received | 12.15 | 30.17 | 31.15 |
| Grants received | NIL | NIL | NIL |
| Other income | 1.69 | 12.87 | 6.27 |
| Expenditure on R & D | | | |
| • Capital: | 9.43 | 37.58 | 33.12 |
| • Recurring: | 4.39 | 6.09 | 4.30 |

**Infrastructural facilities:**

Land & Building : Land-Area: 60 Acres; Value : Rs. 120 lakhs

: Buildings: Value Rs. 96.77 lakhs

Equipment facilities : Gross Value : Rs. 5.60 lakhs

List of equipment : Computers, Electronic Printers, VCR's etc.

R & D Manpower :

| | Full Time | Part Time |
|---|---|---|
| Social Sciences | 3 | 4 |

Library facilities: : More than 800 books and manuscripts in Sanskrit, Hindi, Telugu, Tamil, Grantha etc. for research activities.

**Major achievements claimed:**

(i) The educational basic research has been continued during the year. The research Staff visited, several universities and obtained the list of Sanskrit and other language manuscripts available in those places, viz. Kasi Vidyapeeth, Madras and Mysore oriental Institute, Asiatic Institute at Calcutta etc. Efforts are being made to contact the library in Munich, Germany, where more than one lakh Sanskrit manuscripts are reported to be available.

(ii) Research is being carried out on the ancient technique of Sudarshana Kriya brought to light by Yoga Shiromani Pandit Ravi Shankar. This kriya produces, very healthy & favourable responses, on the mental and physical levels of the individual. Institut has



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sought the assistance of the Natural Institute of Mental & Neuro Sciences, Bangalore, who have many sophisticated gadgets to measure ESP responses of the Sudarshana Kriya.

(iii) Another important research work handled pertains to the valuable treatise on "Prasthana Triya" by Maharishi Madhusudana Saraswati from the incomplete information available. It is gathered that this work deals with many material and physical science & claims to be in the nature of an encyclopedia of knowledge of physical sciences. More information is being gathered about this valuable treatise.

**Name of Senior Researchers:**

- Yoga Shiromani Pandit Ravi Shankar, Yoga Exponent
- Sri Ratnanda, Sanskrit Scholar
- Veda Ganapathi Bodayana Narasimha Bhat
- Dr. H.R. Basavaraj
- Prof. V. Rajagopal (Sanskrit)



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# VIPASSANA RESEARCH INSTITUTE

**Address:**
Green House, 2nd Floor,
Greent Street, Fort,
Bombay-400 023.

## Background

Status of the SIRO : Institute

Year of establishment : 1985

The institute has been established with the principal aim of conducting scientific research on the theory and practice of the technique of Vipassana Medition, a technique of explorations and observation of mindbody phenomena. The technique leads to purfication of mind. It can bring about a transformation in the attitutde and behavioural pattern of the individual. The technique has a unique potential as an insturument for better health, better education and social change for strengthenig the concept of secularism, national integration international understanding, organization and management Development.

Initial recognition by DSIR 1991

## Income and R & D expenditure

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Donations Received | 44.47 | 73.90 | 68.50 |
| Other income | 11.47 | 12.87 | 16.14 |
| *Expenditure on R & D* | | | |
| • Capital | 15.21 | 19.43 | 32.63 |
| • Recurring | 33.15 | 49.79 | 40.68 |

## Infrastructural facilities

Land & Building : Value Rs. 59.58 Lakhs

Equipment facilities : Gross Value : Rs. 13.68 Lakhs.

List of equipemnt : Fax machine, Laser Printer Photocopying machine, etc.

R & D Manpower

| | Qualification | Full time | Part time |
|---|---|---|---|
| Scientific & Technical | Post graduates | 9 | 3 |
| Social Sciences & Others | | 10 | 5 |

Library facilities : The Institute has a Library.

## Major achievements claimed

- New Techniques/methodologies developed and implemented

  Several programme were developed as an aid to Pali Tipitaka project:



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(i) Converstion-bridge programme developed.

(ii) Search prgoramme develped with which words can be searched from entiere Tiptiaka and its commentaries.

(iii) 12 more softwares for different purposes like index, enteries, wordlist, gatha list, sutta list, auto-corrections etc. were also developed and are in constant use.

- Research papers/Reports Published

(i) The institue has undertaken a gigantic task to publish the entire Pali Tipitaka, its commentaries and sub-commentaries in Devanagari script, taking th authentic version as complied inthe Chattha sangayana (Sixth council) available in Burmese script as the base.

(ii) 11 Volumes of Digha Nikaya and its commentaries, sub-commentaries and 11 Volumes of Majjhima Nikaya with commentaries and sub-commentaries and the sub-commentaries have been printed and is available for the scholorsand researchers.

(iii) 12 Volumes of Samyutta Nikaya with commentaries and sub-commentaries have been printed and are at binding stage and soon would be made available for the researchers.

(iv) 12 Volumes of Anguttara NIkaya and its commentaries and sub-commentaries are under print. The above mentationed texts are being published in Devanagri in sets for the fist time in India and would be of immense help to the research in this field.

- Seminars/conferences Organised.

5 International, 3 Pali-Workshops and several Assistant Teachers workshops:

- Any other:

(i) Scientific study carried out by the Indian Institue of Technology Delhi on 74 of the inmates and 21 of Jail staff of Tihar Jail reveal that 42% of the prisoners have got a new direction to their lives with the course. Marked reduction in smoking and drinking and feeling of revenge is also found in the prisioners. Because of the success the Jail athorities at Tihar jail has opened a Vipassana centre in the jail itself were 2 courses are organised every month for the convicts and for jail officials. Vipassana courses have also been held in other jails like Banglore, Patna, Baroda, and Ahmedabad successfully. the impact of Vipassana on psychological symptons, on certain positive mental health dimensions and change in the attitude of prisioners towards law has studies from March 94 to July 94. Various instruements used were: Personality Trait inventory, Hamilton Anxiet and Beck's Depression Inventories, Various instruments developed by PGIMR, Law scale, Leo Sroles scale of Anomie. A professor each from AIIMS, NEW DELHI, PGIMER Chandigarh & IIT NEW DELHI designed the study.

(ii) Efficacy of Vipasana Meditation and Naturopathy in the Treatment of Psychoromatic Disorders:

The Nature Cure Centre in Bhuj, Gujurat and in Gorakhpur (U.P.) continue to use anapana or Vippassana support to the naturopathic treatment in psychosomatic conditions like asthama, unclerative cloitis, hypetension, PCP-ic-ulcer, diabetes etc. Results are positive.

(iii) Cyrenian House Drug Rehabilitation Center:

This centre in Perth Australia run by the Western Australia Council on Addictions continues to apply Vippassana meditation in their rehabilitation programme.



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The psotive results of Vipassana are in-creased equanimity, improved behaviour, coping to stree and self confidence.

(iv) 'Start Again' Drug Rehabilitation Centre:

This centre 'Start again' in Zurich,Switzerland, with Vippassana meditators on their staff, continue to use Anapana mediationa daily within the framework of their rehabilitation program for addicts.

The addicts learn through Vipassana, to understand that the equnimous observation of their own sensations is the key to get out of their addiction.

**Name and Designation of Researchers**

- Dr. R. Panth, Director, Research
- Prof. Mahesh Tiwary, Chief Editor
- Dr. S.N. Tandon, Reaserch Scientist
- Dr. D. Chavan, Research Scientist (Computers)
- Ms. Priti Dedhia, Research Scientist (Computers)



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# VIVEKANANDA NIDHI

**Address:**
149/1E, Rashbehari Avenue
(1st Floor)
Calcutta-700 029.

**Back Ground:**

Status of the SIRO : Institution

Year of establishment : 14 February 1980.

Major objectives

(i) Promotion of behavioural and social science research and education;
(ii) Conducting seminars/courses/workshops on Value-Sharing and Pratyahara yoga;
(iii) Cultural upliftment of people as a whole;
(iv) Propagation of spiritual values, harmony of religions and human development.

Major research areas:

(i) Value-Sharing and Pratyahara Yoga for school/college level students/youth;
(ii) Ecological Ethics;
(iii) Psychosomatic Systems Approach towards Stress Management;
(iv) New Generation and Value Orientation Movement;
(v) Value-Sharing and Pratyahara Yoga in the World of Indian Management/Administration.

Initial recognition : August, 1981 (ICSSR)

**Income and R & D expenditure:**

(Rs. in Lakhs)

| | | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|---|
| *Income* | | | | |
| Donations Received | : | 4.75 | 2.22 | 2.03 |
| Grants Received | : | 0.33 | 4.77 | 7.40 |
| Other Income | : | 7.85 | 6.13 | 24.35 |
| *Expenditure on R & D* | | | | |
| • Capital | : | 9.69 | 6.21 | 12.39 |
| • Recurring | : | 3.49 | 4.78 | 10.05 |

**Infrastructural facilities:**

Land & Building : Value: Rs. 38.19 lakhs

Equipment facilities : Gross Value: Rs. 10.64 lakhs

*List of equipment*

Computers
Laser Printer
Overhead Projector
Duplicating Machine, etc.

R & D Manpower:

| | | Qualification | Full Time | Part Time |
|---|---|---|---|---|
| Scientific & Technical | : | Doctorae | — | 2 |
| | | Graduate | 1 | — |
| Social Sciences & Others | : | Doctorate | 1 | 3 |
| | | Post Graduate | 2 | 3 |
| | | Graduate, Dipoma and Associateship in | — | 1 |
| Library Science | | Graduate | 6 | — |
| | | Others | 8 | — |



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Library facilities : 1146 Titles

**Major achievements claimed:**

- New Techniques/Methodologies developed and implemented:

  Audio Cassettes in English, Hindi and Bengali on Psychosomatic Systems Approach towards Stress Management, that is, Pratyahara Yoga, produced.

- Research Papers : 2
- Reports/Proceedings of Seminars : 3
- Research based Books Magazines : 7
- Seminars/Workshops organized such as : 39

  (i) Value Orientation in Human Problem Solving (1981, '82)-2 Nos.

  (ii) Value Orientation & Environmental Education (1982)

  (iii) Values for Participation, Development and Peace (1985)

  (iv) Environmental Education—with UNESCO (1986, '87, '88)-4 Nos.

  (v) Environmental Education for Industrial Managers (1990)

  (vi) Leadership in the Shastras (1991)

  (vii) The Role of Values in Promoting Harmonious Development (1992)

On the theme of Values, Ecological Ethics, Environmental Education : 32 Nos.

- Awards Won

Voluntary Action Excellence Award 1991 by Calcutta Junior Chamber.

- Any Other:

Certificate Courses & Training Camps Conducted :

: 66. Nos. Courses and Camps were conducted on 1991 for more than 2000 participants of different levels ranging from students of class IX to highest level executives of the corporate sector, both public and private. The themes wee Value Orientation & Environmental Education, Value Orientation & Managerial Effectiveness, Ecological Ethics, Eco-Development. Further, 30 Nos. Courses were conducted for about 1200 participants ranging from school level students to highest executives of the corporate sector on the above themes and a modified and comprehensive theme 'Value-Sharing and Pratyahara Yoga'.



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**Name and Designation of Senior Researchers**

- Dr. A.K. Chatterjee, Trustee, President, Managing Committee and Member, Research Advisory Council, Vivekananda Nidhi.
- Prof. D.K. Sinha, Trustee and Convener, Research Advisory Council, Vivekananda Nidhi; Vice Chancellor, Visva-Bharati University.
- Dr. G. Chattopadhyay, Member, Research Advisory Council, Vivekananda Nidhi; Corporate Consultant.
- Dr. Subir Chowdhury, Vice President, Managing Committee and Member, Research Advisory Council, Vivekananda Nidhi; Director, Indian Institute of Management, Calcutta.
- Swami Yuktananda, Trustee and Member, Research Advisory Council, Vivekananda Nidhi.



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# XAVIER LABOUR RELATIONS INSTITUTE (XLRI)

**Registered Address:**
Post Box 222
Circuit House Area (E)
Jamshedpur, Bihar-831 001

**Background**

Status of the SIRO : Institution

Year of establishment : 1949

Major objectives : Major Objectives: XLRI strives to contribute to the professional management of those socio-economc institutions which serve the public good, specifically: organised industry, labour, service agencies engaged in rural development, education, health and other public systems. Along with managerial competence, the Institute emphasizes a humane, ethical approach based on values of honesty, dedication, and social justice. Apart from specialised knowledge and skills, XLRI's programmes aim to develop a harmonious personality by inculcating appropriate values and attitudes.

Major Programmes offered :

i) A 2-year Postgraduate Programme in Personnel Management & Industrial Relations (PM&IR)

ii) A 2-year Postgraduate Programme in Business Management Day (BMD)

iii) A 3-year Postgraduate Programme in Business Management Evening (BME)

iv) A doctoral level Fellow Programme in Management (FPM)

**Income and R & D expenditure:**

(Rs. in lakhs)

| *Income* | 1992-93 | 1993-94 | 1994-95 |
|---|---|---|---|
| Grants received | Nil | 5 | 0.5 |
| Other income | 148.32 | 188.25 | 278.16 |

**Infrastructural facilities:**

Land & Building : Land : 29.050 Acres (Lease)
Building:
Gross Value: Rs. 243.87 lakhs

Equipment facilities : Gross value : Rs. 50.28 lakhs

*List of equipment* : — Computer
— Video Cameras
— Overhead Projectors, etc.



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R & D Manpower:

| | Qualification | Full Time | Part time |
|---|---|---|---|
| Scientific & Technical | Doctorate | 15 | 45 |
| | Post Graduates | 17 | — |

Library facilities : The Sir Jehangir Ghandy Library of XLRI contains a select collection of about 36,000 volumes and 400 periodicals. To provide more current information, the library has a collection of corporate annual reports, project reports and government documents. The library also has a good number of video cassettes, manuals and software to aid faculty in classe.

**Major achievements claimed:**

- Seminars/Conferences organised : (i) Creating the Indian MNCs-Towards A National Agenda.

  (ii) FINAX SYMPOSIUM: Emerging Trends in Capital Markets

**Name and areas of Senior Researchers**

- Dr. Sharad Sarin, Marketing Area
- Dr. P.K. De, Operations Management Area
- Dr. T. Gangopadhyyay, Systems Area
- Dr. Keith D'Souza, Organisational Behaviour Area
- Dr. Pramod Kumar, Organisational Behaviour Area



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## List of Scientific and Industrial Research Organisations in the Volume on Medical Science and Social Science

### I. AGRICULTURAL SCIENCES

1. Amul Research and Development Association, Anand.
2. Aspee Agricultural Research and Development Foundation, Mumbai
3. Aspee Research Institute, Mumbai.
4. BAIF Development Research Foundation, Pune.
5. Bioved Research Society, Allahabad.
6. Current Science Association, Bangalore
7. Fredrick Institute of Plant Protection and Toxicology, Padappai
8. Indian Society of Bio Science and Environment (Institute of Bio Science), Kanpur.
9. Jai Research Foundation Society, Valvada
10. Kalyani Gorakshan Trust, Karad.
11. Karnataka Institute of Applied Agricultural Research, Sameerwadi
12. Maharashtra State Grape Growers' Association, Pune.
13. Mahyco Research Foundation, Mumbai.
14. Mukund Foundation for Agricultural Research, Coimbatore.
15. National Academy of Agricultural Sciences, New Delhi.
16. National Agricultural & Scientific Research Foundation, Calcutta
17. National Horticultural Research & Development Foundation (Formerly Associated Agricultural Development Foundation), New Delhi.
18. Nimbkar Agricultural Research Institute, Dist. Sitara, Phaltan.
19. Paddy Processing Research Centre, Thanjavur.
20. Potash Research Institute, Gurgaon.
21. The South Indian Sugarcane and Sugar Technologists Association, Madras.
22. The United Planters' Association of Southern India, "Glenview" Nilgiris, (TN).
23. Uttar Pradesh Krishi Anusandhan parishad (U.P. Council of Agricultural Research), Lucknow.
24. VMA Oilseeds Research and Development Institute, New Delhi.

### II. NATURAL & APPLIED SCIENCES

1. Ahmedabad Textile Industry's Research Association, Ahmedabad.
2. Asian Energy Institute, New Delhi
3. Associated Electronics Research, Foundation, New Delhi.
4. Auroville Foundation, (Project Marimandir), Auroville
5. Automotive Research Association of India, Pune.
6. Bakul Finechem Research Centre, Mumbai.
7. Birbal Sahani Institute of Palaeobotany, Lucknow.
8. Birla Institute of Astronomy and Planetarium Sciences, Calcutta.
9. Birla Institute of Scientific Research, Calcutta.
10. Birla Institute of Technology and Science, Pilani.
11. Birla Institute of Technology, Ranchi.



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12. Birla Research Institute for Applied Sciences, Nagda.
13. Bose Institute, Calcutta.
14. Central Board of Irrigation & Power, New Delhi
15. C.C. Shroff Research Institute, New Delhi
16. Central Coir Research Institute, Kalavoor, Dist.Alleppey.
17. Central Institute of Plastics Engineering and Technology, Madras.
18. Central Manufacturing Technology Institute
(Formerly Central Machine Tools Institute), Bangalore.
19. Central Power Research Institute, Bangalore.
20. Centre for Development of Imaging Technology, Trivandrum .
21. Centre for Liquid Crystal Research, Bangalore.
22. Centre for Materials for Electronics Technology, New Delhi
23. Centre for Study of Man & Environment, Calcutta.
24. Centre for Water Resources Development & Management, Kozhikode
25. Consultancy Development Centre, New Delhi.
26. Dabur Research Foundation, New Delhi.
27. Dalmia Institute of Scientific & Industrial Research, Rajgangpur.
28. Decospin Research Foundation, Ichalkaranji, Dist. Kolhapur.
29. Delhi Library Network, (DELNET), New Delhi.
30. Dr. Reddy's Research Foundation, Hyderabad.
31. Electrical Research & Development Association, Mumbai.
32. Electronics Research and Development Centre of India, Calcutta.
33. Electronics Research and Development Centre of India, Pune.
34. Electronics Research and Development Centre of India, Trivandrum.
35. ENAR Foundation Research Centre, Navsari.
36. Environmental Protection Research Foundation, Sangli.
37. Environmental Resources Research Centre, Thiruvanamthapuram.
38. Fluid Control Research Institute, Palkhat.
39. Foundation for Coil Winding Technology and Research, Pune.
40. Foundation for Innovation and Technology Transfer, New Delhi.
41. Government Tool Room and Training Centre, Bangalore.
42. GSFC Science Foundation, Vadodara.
43. Gujarat Energy Development Agency, (GEDA), Vadodara.
44. Gujar Mal Modi Science Foundation, New Delhi.
45. Gulbarga University, Gulbarga.
46. Hari Shankar Singhania Elastomer and Tyre Research Institute, Rajasmand.
47. Hyderabad Science Society, Hyderabad.
48. ICI India Research and Technology Centre
(Formerly Alchemie Research Centre), Thane.
49. Indian Academy of Sciences, Bangalore.
50. Indian Association for the Cultivation of Science, Calcutta.



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51. Indian Copper Development Centre, Calcutta.
52. Indian Institute of Chemical Engineers, Calcutta.
53. Indian Institute of Foreign Trade, New Delhi.
54. Indian Institute of Packaging, Bombay.
55. Indian Jute Industries Research Association, Calcutta.
56. Indian Plywood Industries Research and Training Institute, Bangalore.
57. Indian Register of Shipping, Mumbai.
58. Indo-French Centre for the Promotion of Advanced Research, New Delhi.
59. Institute for Design of Electrical Measuring Instruments, Mumbai.
60. Institute for Solid Waste Research and Ecological Balance (INSWAREB), Vishakhapatnam.
61. Institute of Pesticide Formulation Technology, New Delhi.
62. Institute of Road Transport, Madras.
63. International Advanced Research Centre for Powder Metallurgy and New Materials, (ARC International), Hyderabad.
64. Inter-University Centre for Astronomy and Astrophysics, Pune.
65. Jagdale Scientific Research Foundation, Bangalore.
66. Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur.
67. Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore.
68. Jayant Industrial and Scientific Research, Mumbai.
69. Jayramdas Patel Scientific Research Foundation, New Delhi.
70. Karnataka Regional Engineering College, Surathkal.
71. Karnataka State Sericulture Research and Development Institute, Bangalore.
72. Kerala Forest Research Institute, Trichur.
73. KJP Research Foundation, Kanyakumari.
74. LPG Equipment Research Centre, Bangalore.
75. Maharashtra Assoication for the Cultivation of Science, Pune.
76. Mangalore University, Konaje
77. Marathe Research Foundation, Miraj.
78. Materials Research Society of India (MRSI), Hyderabad.
79. M.L. Shah Research Foundation for Stone Industries, Ahmedabad.
80. National Academy of Sciences, India, Allahabad.
81. National Council for Cement and Building Materials, New Delhi.
82. National Foundation of Indian Engineers, New Delhi.
83. National Institute for Training in Industrial Engineering (NITIE), Mumbai.
84. National Institute of Advance Studies, Bangalore.
85. National Institute of Construction Management & Research, Mumbai.
86. National Institute of Rock Mechanics Kolar Gold Fields,
87. National Ship Design and Research Centre, Visakhapatnam.
88. Northern India Textile Research Association, Ghaziabad.
89. ONGC Schlumberger Wireline Research Centre, New Delhi.



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